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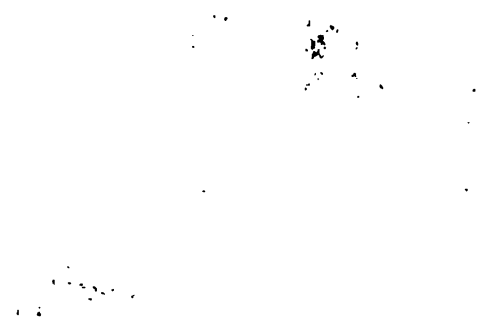




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VON

DR. VICTOR GOLDSCHMIDT.



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Einleitung.

Es wurde dem Index der Krystallformen des Verfassers der Vorwurf gemacht, er sei unvollständig, da dem Formenverzeichniss die Winkeltabellen fehlen. Der berechtigte Wunsch, vollständige Winkeltabellen für die Gesamtheit der beobachteten Formen der Mineralien zu besitzen, war aber nicht erfüllbar wegen der Grösse der Aufgabe. Erst die zweikreisige Messung rückte die Ausführung in das Gebiet der Möglichkeit.

Bisher bestand eine Winkeltabelle aus dem Verzeichniss der Winkel von Fläche zu Fläche. Sollte sie vollständig sein, so hätte sie die Winkel aller Einzelflächen zu allen andern in allen möglichen Combinationen zu enthalten. Das sind für eine Combination von n Flächen $n(n-1)$ Winkel. Die Zahl der zwischen den Flächen der beobachteten Formen auftretenden Winkel ist aber so ungeheuer, dass auch die ausführlichsten Tabellen nur einige der wichtigsten Winkel aufnehmen konnten.

Anders gestaltete sich die Aufgabe bei Einführung des zweikreisigen Goniometers. Wir brauchen nicht mehr für jede Fläche die Winkel zu jeder andern, mit der sie möglicherweise in Combination auftreten könnte, sondern nur je 2 Winkel ($\varphi \rho$), die die Lage der Fläche gegen einen festgewählten Pol und ersten Meridian fixiren. Wir haben nicht mehr Flächenwinkel, sondern **Positionswinkel**.

Die Positionswinkel $\varphi \rho$ bilden den Inhalt dieser Tabellen. Aus weiter unten angeführten Gründen wurden 4 weitere Winkel $\xi_0 \eta_0 \xi \eta$ und 3 Coordinaten $x y d$ für jede Form zugefügt; ausserdem Krystallsystem und Elemente für jede Krystallart. Letzteres ist nöthig zur Fixirung der Orientirung durch Pol und ersten Meridian.

Die vorliegende Winkeltabelle ist die erste, die sich das Ziel steckt, ein Ganzes zu sein, d. h. die nach ihrem Sinn nöthigen Winkel gleichmässig für alle beobachteten Formen aller bekannten Mineralien zu geben.

Der Zweck der Winkeltabellen ist ein theoretischer und ein praktischer.

1. Theoretisch. Sie geben eine Uebersicht der bei Mineralien beobachteten Positionswinkel sowie der Coordinaten der Flächenpunkte, und dadurch ein Mittel, die in diesen Winkeln und Coordinaten sich aussprechenden Gesetzmässigkeiten zu erkennen und zu discutiren.

Manche Gesetze zeigen sich in den Elementen und Symbolen, wie sie der Index liefert, andere in den Coordinaten und Winkeln. Die Daten der Winkeltabelle haben den Vorzug, dass sie unabhängig sind vom Krystallsystem, überhaupt von jeder Deutung ausser der gewählten Orientirung. Sie sind ausserdem gleichmässig für alle Formen aller Arten gegeben und somit direct vergleichbar.

Die Willkür in der Aufstellung ist störend für den Vergleich. Sie ist theilweise aufgehoben durch die Symmetrie, die der Gewohnheit nach, eine bestimmte Orientirung vorschreibt. Sie stört wenig, wenn der Pol beibehalten ist. Das ist stets der Fall im tetragonalen und hexagonalen System, häufig bei den anderen Systemen. Dann bleiben die Poldistanzen ϱ dieselben und alle φ ändern sich um den gleichen Winkel.

Der durch geänderte Aufstellung verursachten Störung wurde entgegengearbeitet durch Zufügung der Winkel ξ , η , $\xi\eta$ neben $\varphi\varrho$ (vgl. unten).

2. Praktisch sollen die Tabellen ein Hilfsmittel bei der Messung, Berechnung, Zeichnung und Identification der Krystalle sein.

Sie gewähren die Möglichkeit, Krystallarten durch Gleichheit der Winkel zu identificiren, sowie für die beobachteten Formen aller bekannten Mineralien aus den Messungen ohne Rechnung das Symbol zu finden. Einem bestimmten $\varphi\varrho$ einer Krystallart entspricht ein bestimmtes Symbol. Fehlt das gemessene $\varphi\varrho$ in der Tabelle, so ist die Form neu. Die rechtwinkligen Parallel-Coordinaten $x y$, wie die Polarcoordinaten $d\varphi$ gestatten das unmittelbare Auftragen der Flächenpunkte in gnomonischer Projection. Umgekehrt lassen sich für die im Projectionsbild abgemessenen Coordinaten Symbol und Winkel in der Tabelle auffinden u. s. w.

Ein Motiv zur Herstellung der Winkeltabellen war ferner das, der zweikreisigen Messung und den mit ihr zusammenhängenden Reformen die Bahn zu ebnen. Ihrer Einführung war der Umstand hinderlich, dass man die durch Messung gefundenen Winkel meist nicht direct mit vorhandenen Verzeichnissen vergleichen konnte; während dies für einkreisige Messung wenigstens theilweise möglich war. Ohne die einmalige Durchführung der Rechnung durch das ganze Gebiet hätte sich die Ausrechnung der Winkel aus zerstreuten Arbeiten über die einzelnen Krystallarten zusammensetzen müssen. Sie und die Zusammenfassung zu einem Ganzen hätten Jahrzehnte dauern können und es wäre das Fehlen des Winkelcodex ein Hemmniss des Fortschritts gewesen.

Zählung der Winkel $\varphi\varrho$. Wir nehmen die Winkel ϱ stets $+$ vom Pol zum Aequator (Prismen) von 0 bis 90° . Den ersten Meridian vom Pol zur Fläche 0 ∞ (010) legen wir von links nach rechts und zählen die φ im Sinn des Uhrzeigers von 0 bis 180° , — φ im umgekehrten Sinn von 0 bis — 180° .

Gesamtform und Einzelflächen. Die Angabe $\varphi\varrho$ einer Fläche involvirt die $\varphi\varrho$ aller Einzelflächen der Gesamtform. Die ϱ sind gleich für alle

Flächen der Gesamttform. Die φ unterscheiden sich je nach der Symmetrieart (Krystallsystem). An Stelle der φ treten \pm Ergänzungen zu 60° , 90° , 120° , 180° . Es ist also für eine Gesamttform nur nöthig ein φ anzugeben. Wir nehmen das kleinste φ , d. h. das φ der Fläche, die im $+$ oder $-$ Sinn den kleinsten Winkelabstand vom ersten Meridian hat. Nur im regulären System sind für die durch Vertauschung der drei Axen erhaltenen drei Flächengruppen¹⁾ die φ besonders auszurechnen.

Fläche und Gegenfläche haben den gleichen Projectionspunkt, somit das gleiche φ . Doch ist zu beachten, dass bei Umkehrung des Krystalls die Flächen der unteren Krystallhälfte in umgekehrter Ordnung folgen als ihre Gegenflächen der oberen Hälfte.

Zur **Bezeichnung der Einzelflächen** verwenden wir die Index 1.43 eingeführten Indices. Dieselben können wir den zu der Fläche gehörigen φ begeben. So mögen $\varphi^1, {}^2\varphi..$ zu den Flächen $a^1, {}^2a..$ gehören. Wir nennen auch wohl kurz eine Fläche φ eine solche mit den Winkelkoordinaten φ und φ das **Winkelsymbol** der Fläche. In den einzelnen Systemen ergeben sich die φ aus φ^1 des ersten Quadranten resp. (im monoklinen System) aus φ^4 des vierten folgendermaassen.

Triklines System hat nur Fläche und Gegenfläche.

Monoklines System. (Fig. 1.)

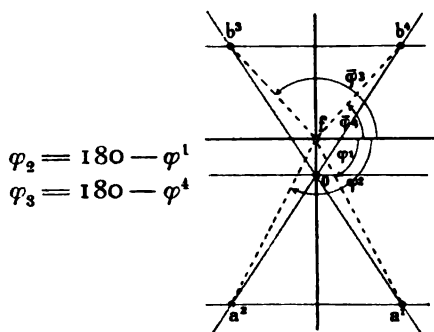


Fig. 1.

Rhombisches System. (Fig. 2.)

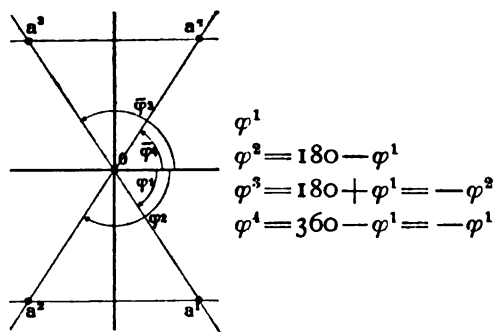


Fig. 2.

Tetragonales System. (Fig. 3.)

$$\begin{array}{ll} \varphi^1 & \varphi^3 = 180 + \varphi^1 = -{}^2\varphi \\ {}^1\varphi = 90 - \varphi^1 & {}^3\varphi = 270 - \varphi^1 = -\varphi^2 \\ \varphi^2 = 90 + \varphi^1 & \varphi^4 = 270 + \varphi^1 = -{}^1\varphi \\ {}^2\varphi = 180 - \varphi^1 & {}^4\varphi = 360 - \varphi^1 = -\varphi^1 \end{array}$$

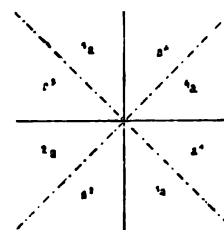


Fig. 3.

¹⁾ Vergl. Index 1. 25.

Hexagonales System. (Fig. 4.)

$$\begin{array}{ll}
 \varphi^1 & \varphi^4 = 180 + \varphi^1 = -^3\varphi \\
 ^1\varphi = 60 - \varphi^1 & ^4\varphi = 240 - \varphi^1 = -\varphi^3 \\
 \varphi^2 = 60 + \varphi^1 & \varphi^5 = 240 + \varphi^1 = -^2\varphi \\
 ^2\varphi = 120 - \varphi^1 & ^5\varphi = 300 - \varphi^1 = -\varphi^2 \\
 \varphi^3 = 120 + \varphi^1 & \varphi^6 = 300 + \varphi^1 = -^1\varphi \\
 ^3\varphi = 180 - \varphi^1 & ^6\varphi = 360 - \varphi^1 = -\varphi^1
 \end{array}$$

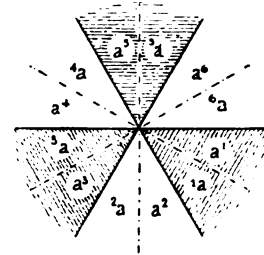


Fig. 4.

Reguläres System. Schreibt man, wie dies in der Winkeltabelle sowie in den Formenverzeichnissen des Index geschehen ist, für jede Gesamtform die drei Symbole G_1, G_2, G_3 an¹⁾, so ist der Krystall als tetragonal mit $p_0 = 1$ zu behandeln. (Eig. 5 und 6.)

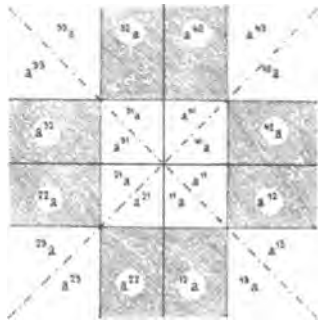


Fig. 5.

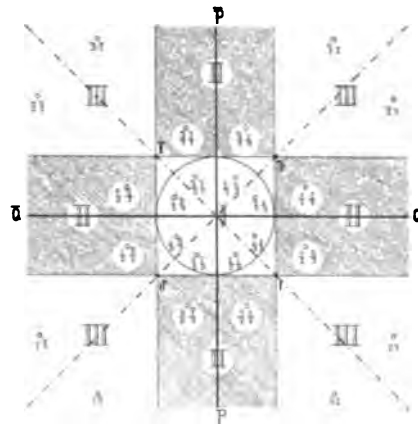


Fig. 6.

Vereinigung der hemiedrischen +rl Formen. Diese lassen sich formell als Gruppen von Einzelflächen einer Gesamtform behandeln. Sie wurden in den Tabellen der Kürze wegen vereinigt. Bei Benutzung ist das φ richtig zu stellen durch Verlegen der Punkte in die richtigen Octanten (Dodekanten).

Feste Wahl der rechtwinkligen Coordinaten. Wir wollen für die Krystalle aller Systeme die rechtwinkligen Coordinaten $a b c$, die der zweikreisigen Messung zu Grunde liegen, folgendermaassen legen (Fig. 7 S. 5). c sei der Pol der Prismenzone, b der Projectionspunkt der Fläche $0 \sim (010)$, a der Punkt, der von bc um 90° absteht; cb sei der erste Meridian. Die Strahlen aus dem Krystallmittelpunkt durch $a b c$ mögen ebenfalls $a b c$ heissen. Sie sind unsere rechtwinkligen Coordinaten-Axen.

Hilfswinkel und Coordinaten. Zwei Einwände liessen sich gegen eine solche Winkeltabelle erheben:

1. Sie gestattet nur unvollkommen den Vergleich mit den Winkelangaben, in denen die bisherigen Beobachtungen niedergelegt sind.

¹⁾ Vergl. Index 1. 25.

2. Sie ist nur für eine bestimmte Aufstellung des Krystalls unmittelbar zu gebrauchen.

Beiden Einwänden zugleich suchte ich durch Berechnung folgender Hilfswinkel und Coordinaten zu begegnen. Dieselben wurden bereits Zeitschr. Kryst. 1893. 21. 224 als charakteristische Winkel und Längen empfohlen.

Es sei in der stereographischen Projection Fig. 7 und 13 (S. 5 und 29) und in der gnomonischen Fig. 14 (S. 29) $g = pq$ die Form, auf die sich unsere Angaben beziehen, so berechnen wir ausser φq :

$$\xi_0 = ce = \angle o : po \quad \xi = hg = \angle oq : pq$$

$$\eta_0 = ch = \angle o : oq \quad \eta = eg = \angle po : pq$$

Ausserdem berechnen wir folgende Längen der gnomonischen Projection (Fig. 14):

xy , die rechtwinkligen Parallelcoordinaten
 d , die lineare Poldistanz des Punktes pq ,
 für $h = 1$

wobei $h = \text{Radius des Grundkreises} = \text{Höhe der Projectionsebene über dem Krystallmittelpunkt}$ ist. Im monoklinen und triklinen System, wo h von 1 verschieden ist, können wir schreiben

$$x' = \frac{x}{h}, y' = \frac{y}{h}, d' = \frac{d}{h} \text{ statt } x, y, d \text{ (für } h = 1)$$

Für die Prismen wurde statt $x = \infty$ der Werth $\frac{x}{y}$ eingeschrieben.

$d\varphi$ sind die Polarcordinaten des Punktes pq in der Projectionsebene.

Ad 1. Durch die Winkel $\varphi q \xi_0 \eta_0 \xi \eta$ sind zugleich alle in Fig. 7 durch Striche oder Punkte angezeichneten Winkel gegeben. Das sind aber die meisten und wichtigsten der in den bisherigen Tabellen verzeichneten Winkel. Etwa fehlende berechnen sich leicht aus den gegebenen.

Damit ist der im ersten Einwand ausgedrückte Uebelstand im Wesentlichen behoben.

Ad 2. Aenderung der Aufstellung. Jede Aenderung der Aufstellung lässt sich auf folgende drei Operationen zurückführen:¹⁾

1. Vertauschung der Axen unter sich,
2. Vergrößerung (Verkleinerung) der Längenelemente $p_0 q_0$,
3. Verlegung der Basis.

Von den Aenderungen 2. und 3. werden nur die Symbole betroffen. Jede Form behält ihr φq und damit auch die Hilfswinkel und Coordinaten. Es kommt nur als Störung die Vertauschung der Axen in Betracht.

Vertauschung der Axen. PQR seien die polaren Axen. Zwischen ihnen

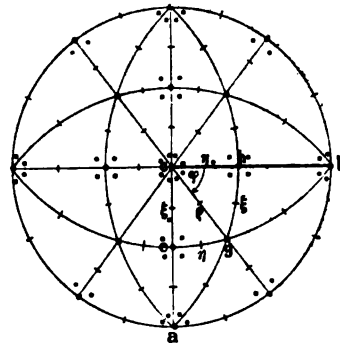


Fig. 7.

¹⁾ Vergl. Index 1. 89.

sind drei Vertauschungen möglich: P mit Q, Q mit R, R mit P. Die Vertauschung der horizontalen Axen PQ macht keine Schwierigkeit. Es ist nur die Zählung von einem anderen Meridian begonnen. Drehen wir in der Horizontalebene um $\angle \alpha$, so ist statt der φ zu setzen $\varphi + \alpha$. Die ϱ bleiben unverändert. Im tetragonalen und hexagonalen System kommt nur diese Art Vertauschung vor. Es sei denn, dass man zu einem speciellen Zweck eine nicht normale Aufstellung wählte.

Eine wesentliche Aenderung bringt nur die Vertauschung von R mit P oder Q, d. h. die Wahl einer andern Prismenzone, eines andern Pols.

Sind die zwei vertauschten Axen auf einander senkrecht, so liefert die Einführung der $\xi_0 \eta_0 \xi \eta$ neben $\varphi \varrho$ die entsprechenden Werthe nach der Vertauschung. Wir werden dies sogleich näher betrachten. Diesen Fall haben wir im rhombischen System und im monoklinen bei Projection auf die Symmetrieebene, d. i. Vertauschung QR.

Im regulären System giebt es nur eine normale Aufstellung, im hexagonalen und tetragonalen System sind Pol und Prismenzone vorgezeichnet, im rhombischen System haben wir nur Vertauschung auf einander senkrechter Axen, ebenso im monoklinen bei Projection auf die Symmetrieebene. Somit wirkt die Vertauschung der Axen störend nur in folgenden zwei Fällen.

Monoklines System: Vertauschung PR.

Triklines System: Vertauschung PR, QR.

Auch in diesen wenigen Fällen ist der Nachtheil nicht schlimm. Er wird durch folgende Umstände aufgehoben resp. durch entsprechende Vortheile compensirt:

1. Bei den meisten Krystallarten ist die Aufstellung durch den Gebrauch der letzten Zeit stabilisirt. So zwar, dass die bestentwickelte Axenzone zur Prismenzone gemacht ist. Das entspricht dem Bedürfniss der zweikreisigen Messung.
2. Das Bestehen einer Winkeltabelle im vorliegenden Sinn wird die Stabilität der Aufstellung vermehren.
3. Die Vertauschung der rechtwinkligen Axen c mit a oder b entspricht

einer Polarstellung a oder b resp. Projection auf diese. Es fragt sich: Hat die Vertauschung von abc, die Projection auf a oder b neben c einen Werth für den allgemeinen Fall des triklinen Systems oder ist sie nur von Inter-

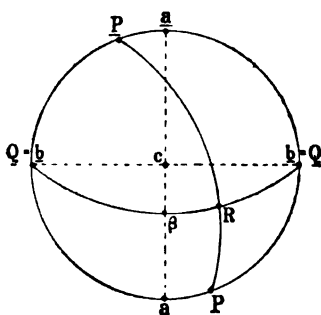


Fig. 8.

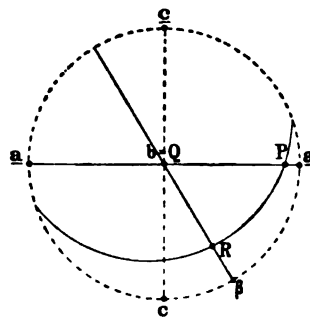


Fig. 9.

esse für Systeme mit rechtwinkligen Axen? Von den drei rechtwinkligen Axen ist nämlich nur b im triklinen System Normale einer krystallographischen Fläche. $b = Q \perp o\infty$ (im monoklinen System sind es ab). c ist Zonenaxe (Zone PQ), a liegt in Zone PQ 90° von P ab (Fig. 8).

In der That ist diese Vertauschung von grosser Wichtigkeit, und zwar:

Zum Vergleich verwandter Substanzen in analoger Aufstellung.

Zur Untersuchung und Erklärung von Zwillingbildungen.

Zur Untersuchung optischer und sonst physikalischer Erscheinungen.

Zur Messung.

Fig. 8—10 zeigen die Aenderung der Lage der drei Pinakoidpunkte PQR sowie der Axenzonen PQ , QR , RP stereographisch bei Projection auf a , b , c .

Die Projection auf c (Fig. 8) liefert als Aequator die Axenzone QP , den ersten Meridian durch Q .

Die Projection auf b (Fig. 9) liefert Q als Pol, die Axenzone QP als ersten Meridian.

Die Projection auf a (Fig. 10) liefert den Meridian 90° durch die Axenzone PQ . Darin 90° von Q abstehend den Pol.

Wir können am Goniometer den Krystall in jeder dieser Aufstellungen befestigen. Dies ist besonders bei Messung von Zwillingen wichtig.

Ordnung der Vertauschung der Axen. Wir vollziehen die Vertauschung der Axen cyklisch in folgender Ordnung¹⁾: abc , bca , cab .

In Coordinaten; xyI , yIx , Ixy .

Daraus ergeben sich die **Transformations-Symbole**:

$$xy \text{ (auf } c) = \frac{y}{x} \frac{I}{x} \text{ (auf } a) = \frac{I}{y} \frac{x}{y} \text{ (auf } b).$$

Die Transformation giebt das Vorzeichen von xy , dadurch den Quadranten und den Sinn der Zählung von $\xi_0\eta_0\xi\eta$, sowie die Grösse von φ aus dem φ des ersten Quadranten.

Es ist:	$x \xi_0 \xi$	$y \eta_0 \eta$
ith I Quadr.	+	+
" II "	+	—
" III "	—	—
" IV "	—	+

¹⁾ Vgl. Zeitschr. Kryst. 1893, 22. 20.

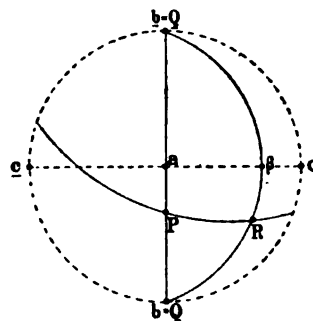


Fig. 10.

Die Symbole ändern sich durch die Vertauschung in folgende:

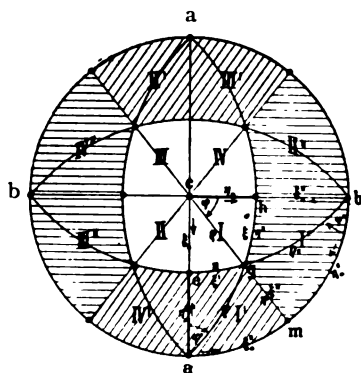


Fig. 11.

Fig. 11	Proj. c	Proj. a	Proj. b
c	o (oo1)	o ∞ (010)	∞ o (100)
b	o ∞ (010)	∞ o (100)	o (001)
a	∞ o (100)	o (001)	o ∞ (010)
e	po (po1)	o ^I (o1p)	∞ p (1po)
h	oq (oq1)	q ∞ (q10)	^I o (1oq)
m	p ∞ (pqo)	q o (qop)	o p (opq)
g	pq (pq1)	q ^I (q1p)	^I p (1pq)
.	10 (101)	01 (011)	∞ (110)
.	01 (011)	∞ (110)	10 (101)
.	∞ (110)	10 (101)	01 (011)
.	1 (111)	1 (111)	1 (111)

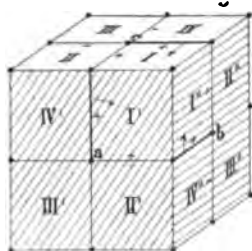


Fig. 12.

Fig. 11 zeigt, welche Werthe die Stücke $\varphi\varrho\xi\eta\xi_0\eta_0$ in den drei Aufstellungen annehmen. Die Zahlen I II III IV zeigen den Quadranten für die drei Projectionen an. Was zur Projection auf a gehört, wurde mit dem Index (') bezeichnet, was zur Projection auf b gehört, durch ("). Die Pfeile zeigen den Sinn der +-Zählung an. Der erste Meridian ist durch eine stärkere Linie bezeichnet.

Uebersichtlicher noch als Fig. 11 ist die perspektivische Projection Fig. 12.

Die folgende Tabelle giebt die Umrechnung der Winkel $\varphi\varrho\xi_0\eta_0\xi\eta$ in die Projection auf a ($\varphi'\varrho'\xi_0'\eta_0'\xi'\eta'$) und auf b ($\varphi''\varrho''\xi_0''\eta_0''\xi''\eta''$).

$\varphi = bm = 90 - \xi_0 = \eta_0''$	$\varphi' = ch = 90 - \xi_0'' = \eta_0$	$\varphi'' = ae = 90 - \xi_0 = \eta_0'$
$\varrho = cg = 90 - \eta' = 90 - \xi''$	$\varrho = ag = 90 - \eta'' = 90 - \xi$	$\varrho'' = bg = 90 - \eta = 90 - \xi'$
$\xi_0 = ce = 90 - \eta_0' = 90 - \varphi''$	$\xi_0 = am = 90 - \eta_0'' = 90 - \varphi'$	$\xi_0'' = bh = 90 - \eta_0 = 90 - \varphi'$
$\eta_0 = ch = \varphi' = 90 - \xi_0'$	$\eta_0 = ae = \varphi'' = 90 - \xi_0$	$\eta_0'' = bm = \varphi = 90 - \xi_0'$
$\xi = hg = 90 - \varrho' = \eta''$	$\xi' = eg = 90 - \varrho'' = \eta$	$\xi'' = mg = 90 - \varrho = \eta'$
$\eta = eg = \xi' = 90 - \varrho'' = \eta'$	$\eta' = mg = \xi'' = 90 - \varrho = \eta''$	$\eta'' = hg = \xi = 90 - \varrho' = \eta'$

Wahl der Aufstellung. Für die Wahl der Aufstellung der einzelnen Krystallarten war eine principielle Frage zu entscheiden: Sollen die Aufstellungen des Index, die vielfach vom Ueblichen abweichen, beibehalten werden, d. h. sind die Principien,¹⁾ die dort maassgebend waren, auch hier entscheidend?

Das Formenverzeichnis des Index hatte den Zweck, in Verbindung

¹⁾ Index I, 37.

mit der Projection eine Uebersicht der beobachteten Formen zu ermöglichen, ihre Beziehungen zu studiren, die sich in ihrer gegenseitigen Lage im Bild, wie in den Zahlenreihen, aussprechen. Dazu war es vorthailhaft, die zwei bestentwickelten Axenzonen zu Domen zu machen, die schwächstentwickelte zu Prismen. Bei der gnomonischen Projection, die der Symbolisirung des Index zu Grunde liegt, liegen die Prismenpunkte für die Discussion besonders ungünstig, nämlich im Unendlichen. Der Verband mit den Nachbarn ist zerrissen durch Ueberspringen von $+\infty$ in $-\infty$.

Die übliche Aufstellung dagegen stellt die bestentwickelte Axenzone aufrecht und macht sie zur Prismenzone, solange nicht Rücksichten auf die Symmetrie im Weg stehen. Der Grund dieser Bevorzugung war ein mehrfacher.

1. Anschauung. Die stärkstentwickelte Axenzone liefert häufig langgestreckte Flächen am einen Ende aufsitzend, am andern mit kleinen Flächen abschliessend. Der Gegensatz führte zur Unterscheidung von Prismen und terminalen Flächen. Der Anthropomorphismus wirkte mit. Er stellte die Prismen aufrecht, sah in ihnen den Körper, in dem mit kleinen Flächen besetzten freien Ende den Kopf und in dem aufsitzenden Ende den Fuss.

Danach erschien es beispielsweise unnatürlich, d. h. dem Anthropomorphismus zuwider, beim Epidot die Zone der langgestreckten Flächen senkrecht zur Symmetrieebene quer zu legen. Manche Autoren haben es auch nicht gethan, z. B. Hausmann.¹⁾ Sie haben danach das monokline System in zwei Gruppen gespalten.

2. Die einkreisige Messung nahm Zone nach Zone einzeln vor, zunächst die wichtigste, und stellte sie senkrecht zum Theilkreis. Diese wichtigste erste Stellung am Instrument blieb die Hauptstellung.

3. Bisher sind zwei Projectionsarten vorzugsweise im Gebrauch: die stereographische und die Quenstedt'sche. Beide geben der aufrechten Zone einen Vorzug. In der stereographischen sind die Prismenpunkte am bequemsten einzutragen; ihr Winkelabstand lässt sich im Bild direct als Bogen messen. In der Quenstedt'schen Projection ist der Projectionspunkt der Prismenzone der Coordinaten-Anfang. Die Winkel zwischen den Prismenflächen erscheinen im Bild, wenigstens bei rechtwinkligen Axen, direct zwischen den Tracen.

Für die Zwecke des Index waren die Vortheile für die dort getroffene Wahl über die Nachtheile überwiegend. Die Unbequemlichkeit des Abweichens vom Usus durch Vertauschung der Axen war leicht zu beheben durch Vertauschen der Zahlen im dreiziffrigen Symbol, sowie entsprechend der Elemente $p_0 q_0$, $1, \lambda \mu \nu$ resp. $a_0 b_0 c_0$, $\alpha \beta \gamma$. Deshalb entschloss ich mich dort oft zu einer vom Ueblichen abweichenden Aufstellung, trotz der Voraussicht, dabei vielfach dem Widerspruch der Fachgenossen zu begegnen.²⁾

¹⁾ Handbuch der Min. 1847, 2, S. XVII u. XVIII. Hausmann unterscheidet nach der Lage der Symmetrieebene ein klinorhombisches System, Beispiel Pyroxen S. 463, und ein orthorhomboidisches, Beispiel Epidot S. 561.

²⁾ Vergl. Index 1. 37. und Vorwort.

Für die Winkeltabelle lag die Frage anders. Hier traten wichtige Gründe hinzu und sprachen für die Wahl der am häufigsten und besten ausgebildeten Zone zur Prismenzone. Nämlich:

1. Die Aufstellung ist bequem zum Polarstellen am zweikreisigen Goniometer.
2. Ist nur diese Zone rundum ausgebildet, die anderen Flächen an deren einem Ende sitzend, so genügt ein Aufsetzen in normaler Stellung zur Durchführung der Messung.
3. Die Einführung der Winkeltabelle im vorliegenden Sinn (Positions-Winkel) ist eine radicale Reform. Die neue Tabelle soll statt der vorhandenen Tabellen der Flächenwinkel, zum Theil neben diesen verwendet werden. Der Vergleich beider ist aber nicht immer ein unmittelbarer; er wurde durch Einführung der Hilfswinkel $\xi_0 \eta_0 \xi \eta$ erleichtert. Immerhin bedarf er der Gewöhnung. Eine von dem Usus abweichende Aufstellung würde den Anschluss erschweren und wäre der Einführung ein Hinderniss.

Gegen diese Vortheile treten die Nachtheile zurück. Die Aenderungen gegen die Aufstellungen des Index bestehen nur in Vertauschung der Axen. Man kann die dreizahligen Symbole der Winkeltabellen auch in solchem Fall unmittelbar aus denen des Index ablesen und umgekehrt, indem man die drei Zahlen umstellt. Ausserdem ist für jede Form die Buchstabenbezeichnung beibehalten. Die Identification macht also keine Schwierigkeit. Die Elemente für die Aufstellung der Winkeltabelle sind in dieser bei jeder Krystallart angeschrieben. Die Transformation steht im Index und, wo dies nicht der Fall ist, in den „Bemerkungen“ der Winkeltabelle.

Die Rücksicht auf das Studium der Beziehungen der Formen in Bild und Zahlen, die für den Index Hauptsache war, ist hier nicht wichtig. Es ist nicht ein Instrument zu allen Zwecken gleich geeignet; je nach dem Zweck, dem es dient, ist es einzurichten. Wir ändern die Aufstellung nach Bedarf, wir projeciren den gleichen Krystall verschieden in Anschauung, Bild und Symbolen, je nach den Fragen, die wir an ihn richten.

Wahl der Elemente. Die Angabe der Elemente für fast alle Krystallarten schwankt. In der Regel in engen Grenzen; in weiten Grenzen da, wo die Mineralien einer isomorphen Gruppe zu einer Art zusammengefasst sind, z. B. bei den Pyroxenen. Es ist nicht möglich, die Winkeltabelle für alle diese Variationen zu machen. Die nöthige Ergänzung ist in den Publikationen über Special-Untersuchungen niederzulegen. Als Unterlage für die Winkeltabellen wurden die best gesicherten oder mittleren Werthe genommen; im allgemeinen nach der im Index geschehenen Wahl, unter Berücksichtigung der Angaben E. S. Dana's, der in seinem System eine kritische Wahl der Elemente nach den gleichen Principien durchgeführt hat.

Grösse der Aufgabe. Bevor ich an die Arbeit ging, versuchte ich, durch Schätzung ein Bild von der Grösse derselben zu gewinnen. Dies geschah auf Grund folgender Zählungen aus dem Index. Es fanden sich:

Regulär:	85	Mineralien mit	680	Formen
Tetragonal:	46	"	"	518 "
Hexagonal:	94	"	"	1367 "
Rhombisch:	158	"	"	2329 "
Monoklin:	127	"	"	2137 "
Triklin:	28	"	"	501 "
Zusammen:	538	Arten mit	7532	Formen.

Für jede Form zwei Winkel $\varphi \varrho$, also im Ganzen ca. 15 000 Winkel.

Das Zutreten der Hilfswinkel $\xi_0 \eta_0 \xi \eta$ vermehrt

die Zahl auf das dreifache, also auf . . . ca. 45 000 Winkel.

Dazu die Coordinaten $x y d$, gibt für jede Form

neun Stücke. Zusammen ca. 67 500 Stücke.

Im regulären System sind die Winkel für alle Krystallarten gleich. Es genügt deshalb die einmalige Ausrechnung für jedes Symbol. Dagegen liefert jede Form durch die Vertauschung der Axen drei Einzelsymbole

$G_1 G_2 G_3$, z. B.: $(123) = \frac{2}{3} \frac{1}{3}, \frac{3}{2} \frac{1}{2}$, 32. Für jedes von diesen waren die Winkel

besonders zu berechnen. Dadurch wurde die Ersparniss kleiner:

Beobachtet im regulären System 85 Arten mit 680 Formen:

Sie erfordern: $9 \times 680 = 6120$ Stücke

Darunter 129 verschiedene Formen:¹⁾

Sie erfordern: $3 \times 9 \times 129 = 3483$ "

Erspart: $\frac{3483}{2637}$ Stücke

Die Ersparniss ist nicht bedeutend. Es blieben ca. 65 000 Stücke.

Von diesen entfällt eine grosse Zahl zur Berechnung. Nämlich solche, die durch die Symmetrieverhältnisse der Krystallart (Krystallsystem) gegeben sind. Ich schätzte diese auf die Hälfte, was sich als annähernd richtig erwies. Danach blieben:

Zur Berechnung	ca. 33 000	Stücke
davon	ca. 22 000	Winkel
		ca. 11 000	Coordinaten
In die Tabelle einzutragen waren	.	ca. 65 000	Stücke
dazu die Elemente ²⁾	ca. 5 000	Stücke
Also in Summa		ca. 70 000	Stücke

Es fragte sich, ob diese grosse Arbeit ausführbar sei. Versuche zeigten,

¹⁾ Vergl. Index I. 140.

²⁾ Elemente: Tetragonal $46 \times 4 = 184$
Hexagonal $94 \times 6 = 564$
Rhombisch $158 \times 12 = 1896$
Monoklin $127 \times 18 = 2286$
Triklin $28 \times 17 = 476$
5406

dass ein fleissiger Rechner in einem Tage ca. 100 Winkel mit zugehörigen Coordinaten, also etwa 150 Stücke bestimmen kann. Daraus ergibt sich die Arbeitszeit zu etwa 220 Tagen. Für ausfallende Zeit, Revision und Reinschrift rechnete ich das Doppelte und glaubte so, in $1\frac{1}{2}$ —2 Jahren, die Arbeit bezwingen zu können.

Anfangs ging es rascher vorwärts, als ich gehofft hatte. Ich fand in Herrn Ph. M. Kettner in Prag einen fleissigen und zuverlässigen Mitarbeiter. Er arbeitete sich in die Rechnung ein und nahm sich zeitweise mehrere Hilfsarbeiter an, die er instruirte und deren Arbeit er revidirte. So gelang es, die Hauptmasse der Rechnung sowie einen Theil der Reinschrift in der kurzen Zeit von Anfang März bis Anfang November 1895, also in 8 Monaten, zu bewältigen. Leider musste dann Herr Kettner aus Gesundheitsrücksichten die Arbeit niederlegen. Dadurch gelang die Fertigstellung des Ganzen erst im November 1896.

Die Rechnungen wurden in geschlossenem Schema (Tabellen) geführt. Wo sie nicht ganz einfach waren, enthielten sie eine Controle in sich.

Schemas zur Ausrechnung der Tabellen. Die Ausrechnung wurde nach festem Schema in Tabellenform geführt, so zwar, dass für jede Form die nöthigen Winkel φ , ξ_0 , η_0 , ξ , η und die Coordinaten x , y , d resp. $x:h$, $y:h$, $d:h$ in einer Zeile entstehen. Die gleiche Zeile enthält eine Controle der ganzen Rechnung und in complicirten Fällen Untercontrolen einzelner Operationen. Durch die Controle ist die Richtigkeit der Rechnung gesichert. Fehler können nur entstehen durch Einführen falscher Werthe und Symbole resp. deren Logarithmen. Nur bei ganz einfachen Rechnungen wurde die Controle weggelassen. So bei den Prismen und den Domen der hochsymmetrischen Systeme. Die Controle besteht darin, dass der gleiche Werth auf zwei verschiedenen Wegen gewonnen wird.

Der Kopf jeder Columnne gibt den für alle Zeilen gleichmässigen Inhalt an, zugleich die Operation, die auszuführen ist, um diesen Werth zu erhalten, und öfters eine Vorschrift über die Controle.

Beispiel:

9
$\lg \frac{x}{y} =$
$\lg t g \varphi$
$5 - 6 =$
$6 - 7$

Das bedeutet Col. 9 enthält für jede Zeile den Werth $\lg t g \varphi = \lg \frac{x}{y}$. Er wird erhalten durch $5 - 6$ d. h. durch Subtraktion des Inhalts der Col. 6 von Col. 5. Die Differenz der Col. 6 und 7 liefert den gleichen Werth (Controle).

Im Folgenden sind die Formeln zur Berechnung der Tabellen und die Controlformeln sowie die Köpfe der angewandten Schemas nebst einem Zahlenbeispiel zusammengestellt. Sie sind an sich verständlich.

Formeln zur Berechnung der Winkeltabellen.¹⁾

	$\frac{x}{h} = \frac{\sin \xi_0}{\sin \varphi}$	$\frac{y}{h} = \frac{\sin \eta_0}{\sin \varphi}$	$\frac{x}{y} = \frac{\sin \xi_0}{\sin \eta_0}$	$\frac{d}{h} = \frac{\sin \varphi}{\sin \xi_0 \sin \eta_0}$	$\sin \xi$	$\sin \eta$	Bemerkungen
Triklin							
pq	$\frac{x_0 + p p_0 \sin \varphi}{h}$	$\frac{y_0 + q q_0 + p p_0 \cos \varphi}{h}$	$\frac{x}{y}$	$\frac{x}{h \sin \varphi} = \frac{y}{h \cos \varphi}$	$\sin \varphi \sin \varrho$	$\cos \varphi \sin \varrho$	
oq	$\frac{x_0}{h}$	$\frac{y_0 + q q_0}{h}$	"	"	"	"	
po	$\frac{x_0 + p p_0 \sin \varphi}{h}$	$\frac{y_0 + p p_0 \cos \varphi}{h}$	"	"	"	"	
∞q	∞	∞	$\frac{p_0 \sin \varphi}{q q_0 + p p_0 \cos \varphi}$	∞	$\sin \varphi$	$\cos \varphi$	$\xi_0 = \eta_0 = \varrho = 90^\circ$
Monoklin							
pq	$\frac{p p_0 + e}{h}$	$\frac{q q_0}{h}$	$\frac{x}{y}$	$\frac{x}{h \sin \varphi} = \frac{y}{h \cos \varphi}$	$\sin \varphi \sin \varrho$	$\cos \varphi \sin \varrho$	$\frac{x}{h} = \text{const.}; \xi_0 = \text{const.}$
oq	$\frac{e}{h}$	"	"	"	"	"	$\xi_0 = \xi = \varrho$
po	$\frac{p p_0 + e}{h}$	o	∞	$\frac{x}{h}$	$\sin \varrho$	o	
∞q	∞	∞	$\frac{p_0}{q q_0}$	∞	$\sin \varphi$	$\cos \varphi$	$\xi_0 = \eta_0 = \varrho = 90^\circ; \xi = \varphi; \eta = 90^\circ - \varphi$
Rhombohed ($h=1$)							
pq	pp ₀	qq ₀	$\frac{x}{y}$	$\frac{x}{\sin \varphi} = \frac{y}{\cos \varphi}$	$\sin \varphi \sin \varrho$	$\cos \varphi \sin \varrho$	
oq	o	"	o	qq ₀	o	$\sin \varrho$	$\eta_0 = \eta = \varrho; \varphi = 0$
po	pp ₀	o	∞	pp ₀	$\sin \varrho$	o	$\xi_0 = \xi = \varrho; \varphi = 90^\circ$
∞q	∞	∞	$\frac{p_0}{q q_0}$	∞	$\sin \varphi$	$\cos \varphi$	$\xi_0 = \eta_0 = \varrho = 90^\circ; \xi = \varphi; \eta = 90^\circ - \varphi$
Tetragonal ($h=1$)							
pq	pp ₀	qp ₀	$\frac{p}{q}$	$\frac{x}{\sin \varphi} = \frac{y}{\cos \varphi}$	$\sin \varphi \sin \varrho$	$\cos \varphi \sin \varrho$	$\text{tg } \varrho = p_0 \sqrt{p^2 + q^2}$
p	pp ₀	pp ₀	1	$\frac{x \sqrt{2}}{2}$	$\frac{1}{2} \sqrt{2} \sin \varrho$	$\frac{1}{2} \sqrt{2} \sin \varrho$	$x = y; \varphi = 45^\circ; \text{tg } \varrho = p p_0 \sqrt{2}; \xi_0 = \eta_0; \xi = \eta$
oq	o	qp ₀	o	qp ₀	o	$\sin \varrho$	$\eta = \eta_0 = \varrho$
∞q	∞	∞	$\frac{1}{q}$	∞	$\sin \varphi$	$\cos \varphi$	$\xi_0 = \eta_0 = \varrho = 90^\circ; \xi = \varphi; \eta = 90^\circ - \varphi$

¹⁾ Ueber die Bedeutung der in der Berechnung auftretenden Werthe pq, p₀ q₀, h, e, φ vergl. Index 1, S. 15, sowie Index 3, Vorwort VII.

	$\frac{x}{h} = \text{tg } \xi_0$	$\frac{y}{h} = \text{tg } \eta_0$	$\frac{x}{y} = \text{tg } \varphi$	$\frac{d}{h} = \text{tg } \varrho$	$\sin \xi$	$\sin \eta$	Bemerkungen.
Hexagonal ($h=1$)							
pq	$\frac{p_0\sqrt{3}}{2}$	$(p+2q)\frac{p_0}{2}$	$\frac{x}{y} = \frac{\sqrt{3}}{2}$	$\frac{x}{\sin \varphi} = \frac{y}{\cos \varphi}$	$\sin \varphi \sin \varrho$	$\cos \varphi \sin \varrho$	$\text{tg } \varrho = p_0 \sqrt{p^2 + pq + q^2}$
p	"	$\frac{3}{2}pp_0$	$\frac{1}{2}\sqrt{3}$	$\frac{1}{2}\sin \varrho$	$\frac{1}{2}\sqrt{3} \sin \varrho$	$\frac{1}{2}\sqrt{3} \sin \varrho$	$\varphi = 30^\circ$
oq	o	qp ₀	o	o	o	$\sin \varrho$	$\eta = \eta_0 = \varrho$
$\sim q$	∞	∞	$\frac{\sqrt{3}}{2q+1}$	∞	$\sin \varphi$	$\cos \varphi$	$\xi_0 = \eta_0 = \varrho = 90^\circ$; $\xi = \varphi$; $\eta = 90^\circ - \varphi$
Regulär ($h=1$)							
pq	p	q	$\frac{p}{q}$	$\frac{p}{\sin \varphi} = \frac{q}{\cos \varphi}$	$\sin \varphi \sin \varrho$	$\cos \varphi \sin \varrho$	$\text{tg } \varrho = \sqrt{p^2 + q^2}$
p	p	p	1	$\frac{p}{p\sqrt{2}}$	$\frac{1}{2}\sqrt{2} \sin \varrho$	$\frac{1}{2}\sqrt{2} \sin \varrho$	$x = y = p$; $\varphi = 45^\circ$; $\xi_0 = \eta_0$; $\xi = \eta$
oq	o	q	o	q	o	$\sin \varrho$	$\eta = \eta_0 = \varrho$
$\sim q$	∞	∞	$\frac{1}{q}$	∞	$\sin \varphi$	$\cos \varphi$	$\xi_0 = \eta_0 = \varrho = 90^\circ$; $\xi = \varphi$; $\eta = 90^\circ - \varphi$

Controlformeln.

Die wichtigste zur Controle verwendete Formel ist die folgende:

$$\sin \xi_0 \sin \eta_0 = \text{tg } \xi \text{ tg } \eta$$

Ausserdem wurden folgende Relationen zu gelegentlichen Controlen verwendet.

$\frac{x}{h} = \text{tg } \xi_0 = \sin \varphi \text{ tg } \varrho$	$\frac{x}{y} = \frac{\sin \xi}{\sin \eta} = \text{tg } \varphi$	$\sin \xi = x \cos \varrho$	$\cos \varrho = \cos \xi_0 \cos \eta = \cos \xi \cos \eta_0$
$\frac{y}{h} = \text{tg } \eta_0 = \cos \varphi \text{ tg } \varrho$	$\sin \eta = y \cos \varrho$		
$\varphi = \text{const.}$ für die Radialzonen ausser im monoklinen und triklinen System.	$\cos \xi_0 = \text{ctg } \eta_0 \text{ tg } \eta$ $\cos \eta_0 = \text{ctg } \xi_0 \text{ tg } \xi$		$\sin \varphi \sin \varrho = \sin \xi_0 \cos \eta$ $\cos \varphi \sin \varrho = \sin \eta_0 \cos \xi$
$x, \xi_0 = \text{const.}$ für Quer Parall. Zon. aller Systeme. $y, \eta_0 = \text{const.}$ für Längs Parall. Zon. ausser triklin.	$\varrho > \xi_0 > \xi$ $\varrho > \eta_0 > \eta$		

Köpfe der Schemas und Zahlenbeispiele.

Regulär. $p \neq q$ ($p < q$)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Symb.	$\lg p$	$\lg q$	$\lg \frac{p}{q}$	$\lg \sin \varphi$	φ	$\lg \frac{p}{\sin \varphi}$	$\frac{p}{\sqrt{p^2+q^2}}$	ϱ	$\lg \cos \varrho$	$\lg p \cos \varrho$	$\lg q \cos \varrho$	ξ_0	η_0	ξ	η	d	$\lg \sin 12$	$\lg \sin 13$	$\lg \sin 14$
pq	$\lg x$	$\lg y$	$\lg \frac{p}{q}$	$\lg \sin \varphi$	φ	$\lg \frac{p}{\sin \varphi}$	$\frac{p}{\sqrt{p^2+q^2}}$	ϱ	$\lg \cos \varrho$	$\lg p \cos \varrho$	$\lg q \cos \varrho$	ξ_0	η_0	ξ	η	d	$\lg \sin 12$	$\lg \sin 13$	$\lg \sin 14$
xy	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$
2 4	982391	012494	969897	965052	26°33'9	017339	$\frac{1}{2}\sqrt{20}$	56°08'7	974592	956983	987086	33°41'4	53°07'8	21°48'1	47°58'1	1'4907	974405	960206	964714
3 3																			

Regulär. $p1$. ($p < 1$)

$y = q = 1; \xi_0 = \varphi; \eta_0 = 45^\circ; \varrho + \eta = 90^\circ$ (Controle).

	1	2	3	4	5	6	7	8	9	10	11	12
Symb.	$\lg p$	$\lg \sin \varphi$	φ	$\lg \frac{p}{\sin \varphi}$	$\frac{p}{\sqrt{p^2+1}}$	ϱ	$\lg p \cos \varrho$	$\lg \sin \xi$	$\lg \cos \varrho$	ξ	η	d
$p1$	$\lg x$	$\lg \sin \varphi$	φ	$\lg \frac{p}{\sin \varphi}$	$\frac{p}{\sqrt{p^2+1}}$	ϱ	$\lg p \cos \varrho$	$\lg \sin \xi$	$\lg \cos \varrho$	ξ	η	d
xy	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$
1 1	969897	965052	26°33'9	004845	$\frac{1}{2}\sqrt{5}$	48°11'4	952287	982390	19°28'2	41°48'6	1'1180	997443
2 2												997441

Regulär. $1q$ ($1 < q$)

$x = p = 1; \xi_0 = 45^\circ; \eta_0 = 90^\circ - \varphi; \varrho + \xi = 90^\circ$ (Controle)

	1	2	3	4	5	6	7	8	9	10	11	12
Symb.	$\lg \frac{1}{q}$	$\lg \sin \varphi$	φ	$\lg \frac{1}{\sin \varphi}$	$\frac{1}{\sqrt{1+q^2}}$	ϱ	$\lg \cos \varrho$	$\lg \sin \xi$	$\lg \cos \varrho$	ξ	η	d
$1q$	$\lg x$	$\lg \sin \varphi$	φ	$\lg \frac{1}{\sin \varphi}$	$\frac{1}{\sqrt{1+q^2}}$	ϱ	$\lg \cos \varrho$	$\lg \sin \xi$	$\lg \cos \varrho$	ξ	η	d
xy	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$	$\lg \xi_0$	$\lg \eta_0$
12	969897	965052	26°33'9	034948	$\sqrt{5}$	65°54'3	961093	991196	24°05'7	54°44'2	2'2360	976143
												976144

Regulär. p (p=q) $x=y=p$; $\varphi=45^\circ$; $\xi_0=\eta_0$; $\xi=\eta$
Controle.

Controle.

	1	2	3	4	5	6	7	8	9
Symb. $p=q$ $x=y$	$\lg p =$ $\lg \lg \xi_0$	$\lg p \vee 2$ $\lg \lg \varrho$ 1+015051	ϱ aus 2	$\lg \cos \varrho$ $=\Sigma 9$ aus 2,9	$\lg p \cos \varrho$ $=\lg \sin \xi$ 1+4	$\xi_0=\eta_0$ arc. tg aus 1	$\xi=\eta$ arc. sin aus 5	d $=\lg \varrho$ aus 2	$\lg \cos \xi_0$ $\lg \cos \xi$ aus 6,7
$\frac{1}{2}$	969897	984948	35°15'9"	991195 991195	961092	26°33'9"	24°05'7"	07071	995154 996041

Tetragonal**p q (p < q)**

Name	Element	Buchst. Symb.	1 $\lg p$	2 $\lg q$	3 $\lg x =$ $\lg p p_0 =$ $\lg \lg \xi_0$ 1+ $\lg p_0$	4 $\lg y =$ $\lg q p_0 =$ $\lg \lg \eta_0$ 2+ $\lg p_0$	5 $\lg p =$ $\lg q =$ $\lg \lg \varphi =$ 1-2=3-4 =12-13	6 $\lg \sin \varphi$	7 $\lg \cos \varphi$	8 φ	9 $\lg \frac{p p_0}{\sin \varphi} =$ $\lg \frac{q p_0}{\cos \varphi} =$ $\lg \lg \varrho =$ 3-6=4-
Scheelit	$\lg p_0 = 018639$	$x \frac{1}{6} \frac{2}{3}$	922185	982391	940824	001030	939794	938477	998683	14°02'1"	002346

Tetragonal p (p=q)

Name	Element	Buchst. Symb.	1 $\lg p$	2 $\lg x =$ $\lg p p_0 =$ $\lg \lg \xi_0$ 1+ $\lg p_0$	3 $\lg p p_0 \vee 2$ $=\lg \lg \varrho$ 2+015051
Zirkon	$\lg p_0 = 980638$	$F \frac{1}{3}$	952288	932926	947977

Tetragonal o q

Name	Element	Buchst. Symb.	1 $\lg q$	2 $\lg y =$ $\lg q p_0 =$ $\lg \lg \varrho$ 1+ $\lg p_0$	3 ϱ aus 2	4 y aus 2
Anatas	$\lg p_0 = 024971$	$\gamma \frac{9}{2}$	065321	090292	82°52'3"	79968

Regulär oq		
Symb. oq = xy	lg q = lg tg q	q
$0 \frac{1}{2}$	969897	26°33'9

Regulär ∞ q		
Symb. ∞ q	lg q = lg ctg q	q
∞ 2	030103	26°33'9

Regulär Controle.		
q von oq + q von o	$\frac{1}{q} = 90^\circ$	
φ von ∞ q + φ von ∞	$\frac{1}{q} = 90^\circ$	
q von oq = φ von ∞	$\frac{1}{q}$	

Controle.																			
10	11	12	13	14	15	16	17	18	19	20	21	22	23						
lg sin ϱ	ϱ	lg sin φ	lg cos φ	ξ_0	η_0	ξ	η	x	y	d	lg sin ξ_0	lg tg ξ	Σ_{21} = Σ_{22}						
		sin ϱ	sin ϱ								sin η	arc tg		arc tg	arc sin	arc sin	= tg ϱ	lg sin η_0	lg tg η
		lg sin ξ	lg sin η								arc tg	arc tg		arc sin	arc sin				
		6 + 10	7 + 10	aus 3	aus 4	aus 12	aus 13	aus 3	aus 4	aus 9	aus 14, 15	aus 16, 17							
986090	46°32'8	924567	984773	14°21'5	45°40'7	10°08'4	44°46'2	0°2560	1°0240	1°0555	939445 985457	925251 999651	924902 924902						

Controle.

Controle.

4	5	6	7	8	9	10	11
lg cos q = Σ ₁₁ aus 3, 11	q	lg sin ξ ₀ = lg tg ξ	ξ ₀ = η ₀ arc tg aus 2	ξ = η arc tg aus 3	x = y aus 2	d = tg q aus 3	lg cos ξ ₀ lg cos ξ aus 7, 8
998107 998106	16°47'7	931959	12°02'9	11°47'6	0°2134	0°3018	999032 999073

Tetragonal ∞ q

Symb.	lg q = lg ctg q	q
∞ 2	030103	26°33'9

Hexagonal		pq	(p > q)						Mon
Name	Elemente	Buchst. Symb. pq	1 lg q	2 lg(2p+q)	3 lg x = lg $\frac{p_0}{2} \sqrt{3}$ = lg tg ξ_0 1 + lg $\frac{p_0}{2} \sqrt{3}$	4 lg y = lg $\frac{p_0}{2} (2p+q)$ = lg tg η_0 2 + lg $\frac{p_0}{2}$	5 lg $\frac{x}{y}$ = lg tg φ = 6-7 3-4	6 lg sin φ lg	
Quarz	lg p ₀ = 010382								
	lg $\frac{p_0}{2}$ = 980279; lg p ₀ $\sqrt{3}$ = 004135	21 + $\frac{2}{3}$ 1	922185	017609	926320	997888	928432	927642	999

Epi
h

Hexagonal		p	(p = q) $\varphi = 30^\circ$				
Name	Elemente	Buchst. Symb.	1 lg p	2 lg x = lg $\frac{pp_0}{2} \sqrt{3}$ = lg tg ξ_0 1 + lg $\frac{p_0}{2} \sqrt{3}$	3 lg y = lg $\frac{3}{2} p_0$ = lg tg η_0 1 + lg $\frac{3}{2} p_0$	4 lg $\frac{pp_0 \sqrt{3}}{2}$ = lg tg φ = 7-8 1 + lg p ₀ $\sqrt{3}$ = 2 + 030103	5 lg a
Eisenglanz							
	lg p ₀ = 995819; lg p ₀ $\sqrt{3}$ = 019675	$\alpha - \frac{1}{5}$	930103	919675	943531	949778	9477
	lg $\frac{3}{2} p_0$ = 013428; lg $\frac{p_0}{2} \sqrt{3}$ = 989572						

Controle der Elemente: lg p₀ + lg $\frac{3}{2} p_0$ = lg p₀ $\sqrt{3}$ + 1 = 1

13 10

Hexagonal po

Name	Element	Buchst. Symb.	1 lg p	2 lg pp ₀ = lg tg ϵ 1 + lg p ₀	3 e	4 y = tg ϵ aus 2
Calcit	lg p ₀ = 975552	λ 20	030103	005655	48°43'2	1'1391

2'9

2'7

2'9

5'9

e C

(C)

Rhombisch pq

Name	Elemente	Buchst. Symb.	1 lg p	2 lg q	3 lg x = lg $\frac{pp_0}{2}$ = lg tg ξ_0 1 + lg p ₀	4 lg y = lg $\frac{qq_0}{2}$ = lg tg η_0 2 + lg q ₀	5 lg $\frac{pp_0}{qq_0}$ = lg tg φ 6-7-12-13 3-4	6 lg sin φ	7 lg cos φ aus 5
Baryt	lg p ₀ = 020720 lg q ₀ = 011846	ξ $\frac{1}{2}$ 2	969897	030103	990617	041949	948668	946716	998048

Monoklin

 $p \infty$

Name Elemente	Buchst. Symb.	1	2	3	4
		lg p	$\lg \frac{x}{h} =$ $\lg p \frac{p_0}{q_0} =$ $\lg \lg \varphi$ $1 + \lg \frac{p_0}{q_0}$	φ	$\frac{x}{y}$
Epidot $\lg \frac{p_0}{q_0} = 984530$	$1 \frac{3}{2} \infty$	017609	002139	46°24'6	1'0504

Controle

	16	17	18	19	20	21	22	23	24	25	26	27
	$\lg \sin \varphi$ $\sin \varphi$	$\lg \cos \varphi$ $\sin \varphi$	ξ_0	η_0	ξ	η	$\frac{x'}{h}$	$\frac{y'}{h}$	$\frac{d'}{h}$	$\lg \sin \xi_0$ $\lg \sin \eta_0$	$\lg \lg \xi$ $\lg \lg \eta$	$\Sigma: \xi$ $\Sigma: \eta$
	$= \lg \sin \xi$	$= \lg \sin \eta$	arctg aus 7	arctg aus 8	arcsin aus 16	arcsin aus 17			$= \lg \varphi$	aus 18, 19	aus 20, 21	
13	10 + 14	11 + 14										
2'9	969124	987687	48°18'1	59°50'5	29°25'1	48°51'8	1'1224	1'7210	1'9947	987312 993683	975120 005874	9809'5 9809'5
2'7	961336	992183	"	66°21'1	24°14'3	56°38'7	"	2'2836	2'5446	987312 996190	965344 018160	9835' 9835'1
2'9	973634	965469	37°38'6	32°35'0	33°01'2	26°50'5	0'7713	0'6391	1'0017	978586 973121	981284 970421	9517'7 9517'7
5'9	976871	944019	"	19°54'0	35°57'0	15°59'7	"	0'3620	0'8520	978586 953197	986047 945734	9317'7 9317'1

e Grösse von φ festzustellen.

(Col. 3, 4) fixirt.

$$\begin{aligned} & 180 - \varphi \\ & \lg \frac{p_0}{q_0} \sin \varphi \\ & - \varphi \end{aligned}$$

In unserm Beisp. ist: für $\sigma: \varphi = 33^\circ 06'7$
 " $s: \varphi = 180 - 26^\circ 10'5 = 153^\circ 49'5$
 " $V: \varphi = -(180 - 50^\circ 21'2) = 129^\circ 38'8$
 " $\delta: \varphi = 64^\circ 51'5$

Triklin oq

Name	Elemente	Buchst. Symb.	1	2	3	4	5	6	7	8	9
			qq ₀	y = y ₀ + qq ₀	lg y	lg $\frac{y}{h}$ = lg tg η ₀ = 7 + 9	lg $\frac{x}{y}$ = lg tg φ = 6 - 7	lg sin φ	lg cos φ	φ	lg $\frac{x}{h \sin φ}$ = lg $\frac{y}{h \cos φ}$ = lg tg φ = 4 - 7
				1 + y ₀	lg 2	3 - lg h	lg $\frac{x_0}{h} - 4$	aus 5	aus 5	aus 5	
Kupfervitriol	q ₀ = 0.4974	v 01	0.4974	0.9189	996327	002475	945569	943866	998298	15°56'2	004178
	0.4215; lg h = 993852	q 02	0.9948	0.5732	975831	981979	966065	961934	995869	24°35'8	986110
	lg tg ξ ₀ = 948044										

Anm. Ueber die Vorzeichen und den Werth von φ vergl. Anm. zu pq triklin. Bei oq bestimmt φ liegt v im 1^{ten}, q im 2^{ten} Quadranten. Danach ist bei v alles +, bei q ist η₀ η_y - und statt des

Triklin ∞ q

Name	Elemente	Buchst. Symb.	1	2	3	4	5	6
			qq ₀	qq ₀ + p ₀ cos ν	lg (qq ₀ + p ₀ cos ν)	lg $\frac{x}{y}$ = lg p ₀ sin ν - lg y = lg tg φ lg p ₀ sin ν - 3	φ	$\frac{x}{y}$
				1 + p ₀ cos ν	aus 2	aus 4	aus 4	aus 4
Kupfervitriol	q ₀ = 0.4974	t ∞ 2	0.2487	0.4152	961826	032753	64°48'4	2.1258
	lg p ₀ sin ν = 994579; p ₀ cos ν = 0.1665	h ∞ 2	0.9948	0.8283	991819	002760	46°49'1	1.0656

Anm. $\frac{x}{y}$ ist -, wenn qq₀ + p₀ cos ν (Col. 2) - ist. In dem Fall ist statt des berechneten φ zu setzen 180 - φ. In unserem Beisp. bei h ist φ = 180 - 46°49'1 = 133°10'9.

Controle.

0	11	12	13	14	15	16	17	18	19	20	21	22	23
$\ln \varrho$	ϱ	$\lg \sin \varphi$ $= \lg \sin \varrho$	$\lg \cos \varphi$ $= \lg \sin \eta$	ξ_0 const.	η_0	ξ	η	$x' = \frac{x - x_0}{h}$ const. aus $\lg \frac{x_0}{h}$	$y' = \frac{y}{h}$	$d' = \frac{d}{h}$ $= \lg \varrho$	$\lg \sin \xi_0$ $\lg \sin \eta_0$	$\lg \lg \xi$ $\lg \lg \eta$	Σ_{21} $= \Sigma_{22}$
s 9	aus 9	6+10	7+10	arc tg aus $\frac{x_0}{h}$	arc tg aus 4	arc sin aus 12	arc sin aus 13		aus 4	aus 9	aus 14'15	aus 16'17	
937 47°45'1	930803	985235	16°49'2	46°37'9	11°43'6	45°22'8	0'3023	1'0586	1'1010	946144	931717	032295	
411 35°59'4	938845	972780	"	33°26'4	14°09'5	32°17'8	"	0'6604	0'7263	946144	986151	000576	032293
											946144	940184	920264
											974120	980080	"

das Vorzeichen des constanten $x = x_0$ mit y (Col. 2) den Quadranten des Flächenpunktes. In unserem
 errechneten $\varphi = 24^\circ 35' 8$ ist zu setzen $180 - 24^\circ 35' 8 = 155^\circ 24' 2$.

Hilfstabelle zur Berechnung von ϱ

in den hochsymmetrischen Systemen.

Wir haben die Formeln:

Regulär: $\operatorname{tg} \varrho = \sqrt{p^2 + q^2}$

Tetragonal: $\operatorname{tg} \varrho = p_0 \sqrt{p^2 + q^2}$

Hexagonal: $\operatorname{tg} \varrho = p_0 \sqrt{p^2 + pq + q^2}$

Für gebrochene p, q , also für $\frac{p}{n}, \frac{q}{n}$:

Regulär: $\operatorname{tg} \varrho = \frac{1}{n} \sqrt{p^2 + q^2}$

Tetragonal: $\operatorname{tg} \varrho = p_0 \frac{1}{n} \sqrt{p^2 + q^2}$

Hexagonal: $\operatorname{tg} \varrho = p_0 \frac{1}{n} \sqrt{p^2 + pq + q^2}$

Die Werthe $\lg \frac{1}{n} \sqrt{p^2 + q^2}$ und $\lg \frac{1}{n} \sqrt{p^2 + pq + q^2}$ sind hier für $p, q = 1$ bis 10 ausgerechnet.

Regul. Tetrag. pq	Hexag. pq	$\sqrt{p^2 + q^2}$ $\sqrt{p^2 + pq + q^2}$	$\lg \sqrt{p^2 + q^2}$	$\lg \frac{1}{n} \sqrt{p^2 + q^2}$	$\lg \frac{1}{n} \sqrt{p^2 + q^2}$	$\lg \frac{1}{n} \sqrt{p^2 + q^2}$	$\lg \frac{1}{n} \sqrt{p^2 + q^2}$	$\lg \frac{1}{n} \sqrt{p^2 + q^2}$	$\lg \frac{1}{n} \sqrt{p^2 + q^2}$	$\lg \frac{1}{n} \sqrt{p^2 + q^2}$	$\lg \frac{1}{n} \sqrt{p^2 + q^2}$
11	—	$\sqrt{2}$	015051	984948	967339	954845	945154	937236	930541	924742	919027
—	11	$\sqrt{3}$	023856	993753	976144	963650	953959	946041	939346	933547	928432
21	—	$\sqrt{5}$	034948	004845	987236	974742	965051	957133	950438	944639	939524
—	21	$\sqrt{7}$	042255	012152	994543	982049	972358	964440	957745	951946	946831
31	—	$\sqrt{10}$	050000	019897	002288	989794	980103	972185	965490	959691	954576
—	31	$\sqrt{13}$	055697	025594	007985	995491	985800	977882	971187	965388	960273
41	—	$\sqrt{17}$	061522	031419	013810	001316	991625	983707	977012	971213	966098
—	32	$\sqrt{19}$	063937	033834	016225	003731	994040	986122	979427	973628	968513
42	—	$\sqrt{20}$	065051	034948	017339	004845	995154	987236	980541	974742	969627
—	41	$\sqrt{21}$	066111	036008	018399	005905	996214	988296	981601	975802	970687
51	—	$\sqrt{26}$	070748	040645	023036	010542	000851	992933	986238	980439	975324
—	42	$\sqrt{28}$	072358	042255	024646	012152	002461	994543	987848	982049	976934
52	—	$\sqrt{29}$	073120	043017	025408	012914	003223	995305	988610	982811	977696
—	51	$\sqrt{31}$	073856	043753	026144	013650	003959	996041	989346	983547	978432
53	—	$\sqrt{34}$	076574	046471	028862	016368	006677	998759	992064	986265	981150
61	43	$\sqrt{37}$	078410	048307	030698	018204	008513	000595	993900	988101	982986
—	52	$\sqrt{39}$	079553	049450	031841	019347	009656	001738	995043	989244	984129
62	—	$\sqrt{40}$	080103	050000	032391	019897	010206	002288	995593	989794	984679
54	—	$\sqrt{41}$	080639	050536	032927	020433	010742	002824	996129	990330	985215
—	61	$\sqrt{43}$	081673	051570	033961	021467	011776	003858	997163	991364	986249
63	—	$\sqrt{45}$	082660	052557	034948	022454	012763	004845	998150	992351	987236
71	—	$\sqrt{50}$	084948	054845	037236	024742	015051	007133	000438	994639	989524
64	62	$\sqrt{52}$	085800	055697	038088	025594	015903	007985	001290	995491	990376
72	—	$\sqrt{53}$	086214	056111	038502	026008	016317	008399	001704	995905	990790
—	71	$\sqrt{57}$	087793	057690	040081	027587	017896	009978	003283	997484	992369
73	—	$\sqrt{58}$	088171	058068	040459	027965	018274	010356	003661	997862	992747
65	54	$\sqrt{61}$	089266	059163	041554	029060	019369	011451	004756	998957	993842
—	63	$\sqrt{63}$	089967	059864	042255	029761	020070	012152	005457	999658	994543
81 74	—	$\sqrt{65}$	090645	060542	042933	030439	020748	012830	006135	000336	995221

Regul. Tetrag.	Hexag.	$\sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$
pq	pq	$\sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$	$\lg \sqrt{p^2+q^2}$
—	72	$\sqrt{67}$	091303	061200	043591	031097	021406	013488	006793	000994	995879	
82	—	$\sqrt{68}$	091625	061522	043913	031419	021728	013810	007115	001316	996201	
83	81	$\sqrt{73}$	093166	063063	045454	032960	023269	015351	008656	002857	997742	
75	—	$\sqrt{74}$	093461	063358	045749	033255	023564	015646	008951	003152	998037	
—	64	$\sqrt{76}$	094040	063937	046328	033834	024143	016225	009530	003731	998616	
—	73	$\sqrt{79}$	094881	064778	047169	034675	024984	017066	010371	004572	999457	
84	—	$\sqrt{80}$	095154	065051	047442	034948	025257	017339	010644	004845	999730	
91	—	$\sqrt{82}$	095690	065587	047978	035484	025793	017875	011180	005381	000266	
—	82	$\sqrt{84}$	096214	066111	048502	036008	026317	018399	011704	005905	000790	
92	—	$\sqrt{85}$	096471	066368	048759	036265	026574	018656	011961	006162	001047	
85	—	$\sqrt{89}$	097469	067366	049757	037263	027572	019654	012959	007160	002045	
93	—	$\sqrt{90}$	097712	067609	050000	037506	027815	019897	013202	007403	002288	
—	65 91	$\sqrt{91}$	097952	067849	050240	037746	028055	020137	013442	007543	002528	
—	74	$\sqrt{93}$	098424	068321	050712	038218	028527	020609	013914	008115	003000	
94	—	$\sqrt{97}$	099338	069235	051626	039132	029441	021523	014828	009029	003914	
101	—	$\sqrt{101}$	100216	070113	052504	040010	030319	022401	015706	009907	004792	
—	92	$\sqrt{103}$	100642	070539	052930	040436	030745	022827	016132	010333	005218	
102	—	$\sqrt{104}$	100851	070748	053139	040645	030954	023036	016341	010542	005427	
95	—	$\sqrt{106}$	101265	071162	053553	041059	031368	023450	016755	010956	005841	
103	75	$\sqrt{109}$	101871	071768	054159	041665	031974	024056	017361	011562	006447	
—	101	$\sqrt{111}$	102266	072133	054554	042060	032369	024451	017756	011957	006842	
—	84	$\sqrt{112}$	102461	072358	054749	042155	032564	024646	017951	012152	007037	
87	—	$\sqrt{113}$	102654	072551	054942	042448	032757	024839	018144	012345	007230	
104	—	$\sqrt{116}$	103223	073120	055511	043017	033326	025408	018713	012914	007799	
96	93	$\sqrt{117}$	103409	073306	055697	043203	033512	025594	018899	013100	007985	
—	102	$\sqrt{124}$	104671	074568	056959	044465	034774	026856	020161	014362	009247	
105	—	$\sqrt{125}$	104845	074742	057133	044639	034948	027030	020335	014536	009421	
—	76	$\sqrt{127}$	105190	075087	057478	044984	035293	027375	020680	014881	009766	
—	85	$\sqrt{129}$	105529	075426	057817	045323	035632	027714	021019	015220	010105	
97	—	$\sqrt{130}$	105697	075594	057985	045491	035800	027882	021187	015388	010273	
—	94	$\sqrt{133}$	106192	076089	058480	045986	036295	028377	021682	015883	010768	
106	—	$\sqrt{136}$	106677	076574	058965	046471	036780	028862	022167	016368	011253	
—	103	$\sqrt{139}$	107150	077047	059438	046944	037253	029335	022640	016841	011726	
98	—	$\sqrt{145}$	108068	077965	060356	047862	038171	030253	023558	017759	012644	
—	86	$\sqrt{148}$	108513	078410	060801	048307	038616	030698	024003	018204	013089	
107	—	$\sqrt{149}$	108659	078556	060947	048453	038762	030844	024149	018350	013235	
—	95	$\sqrt{151}$	108949	078846	061237	048743	039052	031134	024439	018640	013525	
—	104	$\sqrt{156}$	109656	079553	061944	049450	039759	031841	025146	019347	014232	
108	—	$\sqrt{164}$	110742	080639	063030	050536	040845	032927	026232	020433	015318	
—	96	$\sqrt{171}$	111650	081547	063938	051444	041753	033835	027140	021341	016226	
—	105	$\sqrt{175}$	112152	082049	064440	051946	042257	034337	027642	021843	016728	
109	—	$\sqrt{181}$	112884	082781	065172	052678	042987	035069	028374	022575	017460	
—	97	$\sqrt{193}$	114278	084175	066566	054072	044381	036463	029768	023969	018854	
—	98	$\sqrt{217}$	116823	086720	069111	056617	046926	039008	032313	026514	021399	
—	107	$\sqrt{219}$	117022	086919	069310	056816	047125	039207	032512	026713	021598	
—	108	$\sqrt{244}$	119369	089266	071657	059163	049472	041554	034859	029060	023945	
—	109	$\sqrt{271}$	121648	091545	073936	061442	051751	043833	037138	031339	026224	

Tabelle der rationalen Brüche.

Die folgende Tabelle thut gute Dienste bei Ausrechnung der Winkel aus den Symbolen.
sowie bei Bestimmung rationaler Indices aus den gerechneten Decimalbrüchen.

Zahl	Decim.-Bruch	log	log recip.	Re-ciprok
$\frac{1}{2}$	0.5000	969897	030103	2
$\frac{1}{3}$	0.3333	952288	047712	3
$\frac{1}{4}$	0.2500	939794	060206	4
$\frac{1}{5}$	0.2000	930103	069897	5
$\frac{1}{6}$	0.1667	922185	077815	6
$\frac{1}{7}$	0.1429	915490	084510	7
$\frac{1}{8}$	0.1250	909691	090309	8
$\frac{1}{9}$	0.1111	904576	095424	9
$\frac{1}{10}$	0.1000	900000	100000	10
$\frac{1}{11}$	0.0909	895861	104139	11
$\frac{1}{12}$	0.0833	888606	111394	12
$\frac{1}{13}$	0.0769	888606	111394	13
$\frac{1}{14}$	0.0714	885387	114613	14
$\frac{1}{15}$	0.0667	882391	117609	15
$\frac{1}{16}$	0.0625	879588	120412	16
$\frac{1}{17}$	0.0588	876955	123045	17
$\frac{1}{18}$	0.0556	874473	125527	18
$\frac{1}{19}$	0.0526	872135	127865	19
$\frac{1}{20}$	0.0500	870004	130000	20
$\frac{1}{21}$	0.0476	867955	132045	21
$\frac{1}{22}$	0.0455	865955	134045	22
$\frac{1}{23}$	0.0435	863955	136045	23
$\frac{1}{24}$	0.0417	861955	138045	24
$\frac{1}{25}$	0.0400	860000	140000	25
$\frac{1}{26}$	0.0385	858000	142000	26
$\frac{1}{27}$	0.0370	856000	144000	27
$\frac{1}{28}$	0.0357	854000	146000	28
$\frac{1}{29}$	0.0345	852000	148000	29
$\frac{1}{30}$	0.0333	850000	150000	30
$\frac{1}{31}$	0.0323	848000	152000	31
$\frac{1}{32}$	0.0313	846000	154000	32
$\frac{1}{33}$	0.0303	844000	156000	33
$\frac{1}{34}$	0.0294	842000	158000	34
$\frac{1}{35}$	0.0286	840000	160000	35
$\frac{1}{36}$	0.0278	838000	162000	36
$\frac{1}{37}$	0.0270	836000	164000	37
$\frac{1}{38}$	0.0263	834000	166000	38
$\frac{1}{39}$	0.0256	832000	168000	39
$\frac{1}{40}$	0.0250	830000	170000	40
$\frac{1}{41}$	0.0244	828000	172000	41
$\frac{1}{42}$	0.0238	826000	174000	42
$\frac{1}{43}$	0.0233	824000	176000	43
$\frac{1}{44}$	0.0227	822000	178000	44
$\frac{1}{45}$	0.0222	820000	180000	45
$\frac{1}{46}$	0.0217	818000	182000	46
$\frac{1}{47}$	0.0213	816000	184000	47
$\frac{1}{48}$	0.0208	814000	186000	48
$\frac{1}{49}$	0.0204	812000	188000	49
$\frac{1}{50}$	0.0200	810000	190000	50

Zahl	Decim.-Bruch	log	log recip.	Re-ciprok
$\frac{1}{2}$	0.5000	969897	030103	2
$\frac{1}{3}$	0.3333	952288	047712	3
$\frac{1}{4}$	0.2500	939794	060206	4
$\frac{1}{5}$	0.2000	930103	069897	5
$\frac{1}{6}$	0.1667	922185	077815	6
$\frac{1}{7}$	0.1429	915490	084510	7
$\frac{1}{8}$	0.1250	909691	090309	8
$\frac{1}{9}$	0.1111	904576	095424	9
$\frac{1}{10}$	0.1000	900000	100000	10
$\frac{1}{11}$	0.0909	895861	104139	11
$\frac{1}{12}$	0.0833	888606	111394	12
$\frac{1}{13}$	0.0769	888606	111394	13
$\frac{1}{14}$	0.0714	885387	114613	14
$\frac{1}{15}$	0.0667	882391	117609	15
$\frac{1}{16}$	0.0625	879588	120412	16
$\frac{1}{17}$	0.0588	876955	123045	17
$\frac{1}{18}$	0.0556	874473	125527	18
$\frac{1}{19}$	0.0526	872135	127865	19
$\frac{1}{20}$	0.0500	870004	130000	20
$\frac{1}{21}$	0.0476	867955	132045	21
$\frac{1}{22}$	0.0455	865955	134045	22
$\frac{1}{23}$	0.0435	863955	136045	23
$\frac{1}{24}$	0.0417	861955	138045	24
$\frac{1}{25}$	0.0400	860000	140000	25
$\frac{1}{26}$	0.0385	858000	142000	26
$\frac{1}{27}$	0.0370	856000	144000	27
$\frac{1}{28}$	0.0357	854000	146000	28
$\frac{1}{29}$	0.0345	852000	148000	29
$\frac{1}{30}$	0.0333	850000	150000	30
$\frac{1}{31}$	0.0323	848000	152000	31
$\frac{1}{32}$	0.0313	846000	154000	32
$\frac{1}{33}$	0.0303	844000	156000	33
$\frac{1}{34}$	0.0294	842000	158000	34
$\frac{1}{35}$	0.0286	840000	160000	35
$\frac{1}{36}$	0.0278	838000	162000	36
$\frac{1}{37}$	0.0270	836000	164000	37
$\frac{1}{38}$	0.0263	834000	166000	38
$\frac{1}{39}$	0.0256	832000	168000	39
$\frac{1}{40}$	0.0250	830000	170000	40
$\frac{1}{41}$	0.0244	828000	172000	41
$\frac{1}{42}$	0.0238	826000	174000	42
$\frac{1}{43}$	0.0233	824000	176000	43
$\frac{1}{44}$	0.0227	822000	178000	44
$\frac{1}{45}$	0.0222	820000	180000	45
$\frac{1}{46}$	0.0217	818000	182000	46
$\frac{1}{47}$	0.0213	816000	184000	47
$\frac{1}{48}$	0.0208	814000	186000	48
$\frac{1}{49}$	0.0204	812000	188000	49
$\frac{1}{50}$	0.0200	810000	190000	50

Winkel φ Im regulären, tetragonalen, hexagonalen System ist φ unabhängig vom Element der Krystallart.

$p:q$ $p < q$	φ tetrag.	φ hexag.
1:1	45°00	30°00
1:2	26 33'9	19 06'4
1:3	18 26'1	13 53'8
2:3	33 41'4	23 24'8
1:4	14 02'2	10 53'6
3:4	36 52'2	25 17'1
1:5	11 18'6	8 56'9
2:5	21 48'1	16 06'1
3:5	30 57'8	21 47'2
4:5	38 39'6	26 19'6
1:6	9 27'7	7 35'3
5:6	39 48'3	26 59'7
1:7	8 07'8	6 35'2
2:7	15 56'7	12 13'0
3:7	23 11'9	16 59'7
4:7	29 44'7	21 03'1
5:7	35 32'2	24 30'2
6:7	40 36'1	27 27'4
1:8	7 07'5	5 49'0
3:8	20 33'3	15 17'7
5:8	32 00'3	22 24'6
7:8	41 11'1	27 47'7
1:9	6 20'4	5 12'5
2:9	12 31'7	9 49'6
4:9	23 57'7	17 28'8
5:9	29 03'3	20 38'0
7:9	37 52'5	25 52'3
8:9	41 38'0	28 03'3
1:10	5 42'6	4 42'8
3:10	16 41'9	12 43'8
7:10	34 59'5	24 11'0
9:10	41 59'2	28 15'5
1:11	5 11'7	4 18'4
2:11	10 18'3	8 12'8
3:11	15 15'3	11 44'5
4:11	19 59'0	14 55'2
5:11	24 26'7	17 47'0
6:11	28 36'5	20 21'7
7:11	32 28'3	22 41'3
8:11	36 01'7	24 47'5
9:11	39 17'3	26 41'7

$p:q$ $p < q$	φ tetrag.	φ hexag.
10:11	42°16'4	28°25'5
1:12	4 45'8	3 58'4
5:12	22 37'2	16 37'6
7:12	30 15'4	21 21'6
11:12	42 30'6	28 33'7
1:13	4 24'7	3 40'2
2:13	8 44'8	7 03'1
3:13	12 59'7	10 09'5
4:13	17 06'2	13 00'2
5:13	21 04'9	15 36'5
6:13	24 46'5	17 59'5
7:13	28 18'1	20 10'4
8:13	31 36'4	22 10'3
9:13	34 41'7	24 00'4
10:13	37 34'1	25 41'6
11:13	40 14'2	27 14'7
12:13	42 42'5	28 40'6
1:14	4 05'1	3 25'1
3:14	12 05'7	9 30'9
5:14	19 39'2	14 42'3
9:14	32 44'1	22 50'8
11:14	38 09'4	26 02'2
13:14	42 52'7	28 46'5
1:15	3 49'3	3 11'9
2:15	7 35'6	6 10'7
4:15	14 55'9	11 31'0
7:15	25 01'0	18 08'6
8:15	28 04'3	20 02'0
11:15	36 15'2	24 55'4
13:15	40 54'8	27 38'3
14:15	43 01'5	28 51'5
1:16	3 34'6	3 00'2
3:16	10 38'4	8 26'6
5:16	17 21'2	13 10'4
7:16	23 37'7	17 16'2
9:16	29 21'4	20 49'0
11:16	34 30'5	23 53'8
13:16	39 05'6	26 34'9
15:16	43 09'1	28 56'0
1:17	3 22'0	2 50'0
2:17	6 42'6	5 29'8

$p:q$ $p < q$	φ tetrag.	φ hexag.
3:17	10°00'4	7°59'6
4:17	13 14'4	10 20'0
5:17	16 23'4	12 31'2
6:17	19 26'4	14 33'8
7:17	22 22'8	16 28'4
8:17	25 12'1	18 15'5
9:17	27 53'8	19 55'6
10:17	30 27'9	21 29'2
11:17	32 54'3	22 56'8
12:17	35 13'0	24 18'9
13:17	37 24'3	25 35'9
14:17	39 28'3	26 48'1
15:17	41 25'4	27 56'0
16:17	43 15'8	28 59'1
1:18	3 10'8	2 40'8
5:18	15 31'4	11 55'6
7:18	21 15'0	15 44'8
11:18	31 25'6	22 04'0
13:18	35 50'2	24 40'7
17:18	43 21'8	29 03'2
1:19	3 00'8	2 33'4
2:19	6 00'5	4 57'0
3:19	8 57'3	7 13'4
4:19	11 53'3	9 22'0
5:19	14 44'6	11 23'2
6:19	17 31'5	13 17'3
7:19	20 13'5	15 04'7
8:19	22 50'0	16 45'8
9:19	25 20'8	18 20'9
10:19	27 45'5	19 50'5
11:19	30 04'1	21 14'8
12:19	31 41'0	22 34'3
13:19	34 22'8	23 49'3
14:19	36 23'1	25 00'1
15:19	38 17'4	26 06'8
16:19	40 06'1	27 10'0
17:19	40 53'1	28 09'8
18:19	43 31'1	29 06'3
1:20	2 52'0	2 25'3
1:21	2 43'6	2 18'4
1:22	2 39'8	2 12'2

Revision der Elemente und Symbole. Zehn Jahre sind seit dem Erscheinen des ersten Bandes des Index der Krystallformen verflossen und über fünf Jahre seit dem Abschluss dieses Buches. Der Gedanke lag nahe, mit der Herstellung der Winkeltabellen eine Revision und Ergänzung der Elemente und Symbole des Index bis auf heute durchzuführen. Diese Ergänzung ist in der Hauptsache geschehen. Ich habe die neuen Beobachtungen an bekannten wie neuen Arten verfolgt und in meinem Handexemplar des Index vermerkt, ebenso Correcturen und Nachträge zu diesem Buch verzeichnet. Diese wurden bei Herstellung der Winkeltabellen benutzt. Ferner wurden die neueren Bände der wichtigsten Zeitschriften excerptirt. Besonders sorgfältig wurde auch E. S. Dana's ausgezeichnetes System of Mineralogy, 1892, benutzt.

Jedoch wurde von dem Streben, Vollständigkeit zu erzielen, abgesehen; ebenso wurden Formen weggelassen, bei denen die Entscheidung über Aufnahme eingehendere kritische Untersuchung erfordert hätte. Ich glaubte der Sache besser zu dienen, indem ich mich hier beschränkte. Das Eingehen in alle Einzelheiten hätte viel Zeit erfordert und bei geringem Gewinn das Zustandekommen dieses ohnehin grossen Unternehmens gefährdet.

Angabe der Winkel auf halbe Minuten. Die Ausrechnung erfolgte auf die erste Decimale der Minuten; doch erschien es den Bedürfnissen am besten entsprechend, diese auf $\frac{1}{2}$ Minute abzurunden. Für die Werthe in der Nähe von $\frac{1}{2}$ wurde ein Punkt gesetzt und zwar für 0.3, 0.4, 0.5, 0.6, 0.7; dagegen wurden 0.8, 0.9 für 1 gerechnet, 0.1, 0.2 weggelassen.

Controle. Sie bezog sich auf die richtige Einführung der Elemente und Symbole, dann auf die richtige Ausführung der Rechnung, ferner auf den Vergleich der berechneten Winkel mit den publicirten Winkelangaben, endlich auf Revision von Reinschrift und Druck. Alle diese Arten der Controle wurden sorgfältig angewendet. Wenn sich trotzdem noch unrichtige Daten finden, so wolle man sie der Grösse des Unternehmens zu Gute halten und den Verfasser durch Mittheilung aufgefundener Fehler verpflichten.

Möge es dem vorliegenden neuen Werkzeug krystallographischer Arbeit vergönnt sein, kräftig zur Förderung unserer Wissenschaft mitzuwirken.

Heidelberg, 16. Juli 1896.

Winkeltabellen.

Erklärung der Zeichen.

Die Bedeutung der Zeichen φ ϱ ξ_0 η_0 ξ η x y d und ihrer Vorzeichen ist aus dem bestehenden stereographischen und gnomonischen Bild ersichtlich.

Die Längen x y d sind für

$$h=1$$

berechnet (vergl. Seite 5). Zur Vermeidung von Verwechslungen mit x y d für $r_0=1$ wurde im monoklinen und triklinen System, wo h von r_0 verschieden ist, x' y' d' für x y d ($h=1$) gesetzt.

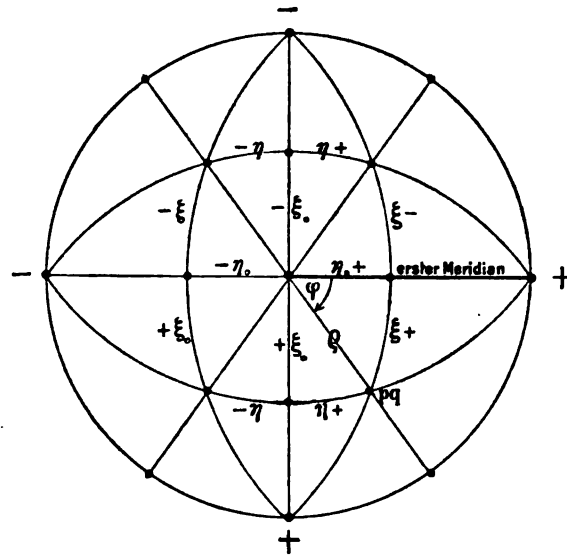


Fig. 13. Stereographische Projection.

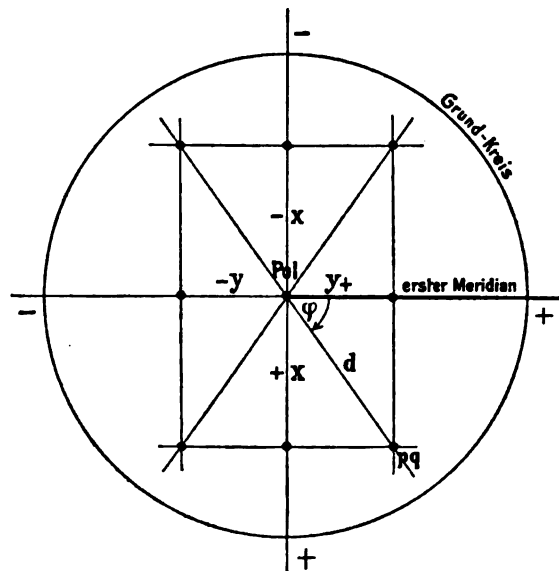


Fig. 14. Gnomonische Projection.

Radius des Grundkreises $= h = 1$.

Abichit.

Monoklin.

a = 1'9069	lg a = 028033	lg a ₀ = 969479	lg p ₀ = 030521	a ₀ = 0'4952	p ₀ = 2'0193
c = 3'8507	lg c = 058554	lg b ₀ = 941446	lg q ₀ = 057954	b ₀ = 0'2597	q ₀ = 3'7980
$\mu = \left. \begin{matrix} 180 \\ -\beta \end{matrix} \right\} 80^{\circ}30$	$\lg h = \left. \begin{matrix} 999400 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 921761 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 972567$	h = 0'9863	e = 0'1650

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{y}$ (Prismen) (x:y)	y'	d' =tg ϱ
1	c	0	001	90° 00	9° 30	9° 30	0° 00	9° 30	0° 00	0'1673	0	0'1673
2	a	∞0	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	m	∞	110	28 00	"	"	90 00	28 00	62 00	0'5317	∞	"
4	r	+10	101	90 00	65 42	65 42	0 00	65 42	0 00	2'2147	0	2'2147
5	s	-20	302	90 00	71 00	71 00	"	71 00	"	2'9037	"	2'9037
6	t	-1	111	26 01	76 52	61 59	75 27	25 18	61 04	1'8801	3'8506	4'2852
7	p	-1/3	113	21 52	54 08	27 15	52 04	17 34	48 46	0'5151	1'2835	1'3831

Adamin.

Rhomboisch.

a = 0'9733	lg a = 998825	lg a ₀ = 013346	lg p ₀ = 986654	a ₀ = 1'3597	p ₀ = 0'7354
c = 0'7158	lg c = 985479	lg b ₀ = 014521	lg q ₀ = 985479	b ₀ = 1'3970	q ₀ = 0'7158

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{y}$ (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	k	4∞	410	76 19'	"	"	90 00	76 19'	13 40'	4'1097	∞	"
5	m	2∞	210	64 03	"	"	"	64 03	25 57	2'0548	"	"
6	n	3/2∞	530	59 43	"	"	"	59 43	30 17	1'7124	"	"
7	r	∞	110	45 46'	"	"	"	45 46'	44 13'	1'0274	"	"
8	s	∞3/4	350	31 39	"	"	"	31 39	58 21	0'6164	"	"
9	t	∞2	120	27 11'	"	"	"	27 11'	62 48'	0'5137	"	"
10	l	01	011	0 00	35 35'	0 00	35 35'	0 00	35 35'	0	0'7158	0'7158
11	f	3/20	506	90 00	31 30	31 30	0 00	31 30	0 00	0'6128	0	0'6128
12	d	10	101	"	36 20	36 20	"	36 20	"	0'7354	"	0'7354
13	o	1	111	45 46'	45 44'	"	35 35'	30 53	29 58	"	0'7158	1'0263

Adelit.**Monoklin.**

$a = 1.0989$	$\lg a = 0.04096$	$\lg a_0 = 9.84667$	$\lg p_0 = 0.15333$	$a_0 = 0.7025$	$p_0 = 1.4234$
$c = 1.5642$	$\lg c = 0.19429$	$\lg b_0 = 9.80571$	$\lg q_0 = 0.17546$	$b_0 = 0.6393$	$q_0 = 1.4978$
$\mu = \left. \begin{matrix} 180 \\ 180 - \beta \end{matrix} \right\} 73^\circ 15'$	$\lg h = \left. \begin{matrix} 998117 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 945969 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg p_0 = 9.97787$	$h = 0.9576$	$e = 0.2882$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	c	0	001	90° 00'	16° 45'	16° 45'	0° 00'	16° 45'	0° 00'	0.3010	0	0.3010
2	a	∞	100	"	90 00	90 00	"	90 00	"	∞	∞	∞
3	M	∞	110	43 32'	"	"	"	43 32'	46 27'	0.9503	"	"
4	f	01	011	10 53'	57 53'	16 45'	57 24'	9 12'	56 16'	0.3010	1.5642	1.5929
5	d	-2	221	40 30'	76 20'	69 29'	72 16'	39 07'	48 38'	2.6718	3.1286	4.1141

Aeschynit.**Rhombisch.**

$a = 0.4816$	$\lg a = 9.68269$	$\lg a_0 = 9.85500$	$\lg p_0 = 0.14500$	$a_0 = 0.7161$	$p_0 = 1.3963$
$c = 0.6725$	$\lg c = 9.82769$	$\lg b_0 = 0.17231$	$\lg q_0 = 9.82769$	$b_0 = 1.4870$	$q_0 = 0.6725$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	∞	010	0° 00'	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	64 17'	"	"	90 00	64 17'	25 43'	2.0764	∞	"
5	t	$\infty \frac{5}{3}$	350	51 15'	"	"	"	51 15'	38 45'	1.2458	"	"
6	r	$\infty 2$	120	46 04'	"	"	"	46 04'	43 55'	1.0382	"	"
7	n	$\infty 3$	130	34 41'	"	"	"	34 41'	55 18'	0.6921	"	"
8	v	02	021	0 00	53 22'	0 00	53 22'	0 00	53 22'	0	1.3450	1.3450
9	d	10	101	90 00	54 23'	54 23'	0 00	54 23'	0 00	1.3063	0	1.3963
10	o	1	111	64 17'	57 10'	"	33 55'	49 12'	21 23'	"	0.6725	1.5498

Akanthit.

Rhombisch.

$a = 0.6886$	$\lg a = 983797$	$\lg a_0 = 984037$	$\lg p_0 = 015963$	$a_0 = 0.6924$	$p_0 = 1.4442$
$c = 0.9945$	$\lg c = 999760$	$\lg b_0 = 000240$	$\lg q_0 = 999760$	$b_0 = 1.0055$	$q_0 = 0.9945$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg 2$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	r	2∞	210	71 00	"	"	90 00	71 00	19 00	2.9044	∞	"
5	m	∞	110	55 27	"	"	"	55 27	34 33	1.4522	"	"
6	a	∞2	120	35 59	"	"	"	35 59	54 01	0.7261	"	"
7	d	01	011	0 00	44 50'	0 00	44 50'	0 00	44 50'	0	0.9945	0.9945
8	v	$\frac{1}{3}0$	103	90 00	25 42'	25 42'	0 00	25 42'	0 00	0.4814	0	0.4814
9	o	10	101	"	55 18	55 18	"	55 18	"	1.4442	"	1.4442
10	γ	$\frac{3}{4}0$	504	"	61 01	61 01	"	61 01	"	1.8052	"	1.8052
11	u	20	201	"	70 54	70 54	"	70 54	"	2.8884	"	2.8884
12	e	30	301	"	77 00	77 00	"	77 00	"	4.3326	"	4.3326
13	x	$\frac{1}{3}$	113	55 27	30 18'	25 42'	18 20'	24 33'	16 38'	0.4814	0.3315	0.5845
14	p	1	111	"	60 18	55 18	44 50'	45 41'	29 31'	1.4442	0.9945	1.7537
15	z	$\frac{3}{4}$	554	"	65 28'	61 01	51 11'	48 32'	31 04'	1.8052	1.2431	2.1018
16	k	12	121	35 59	67 52'	55 18	63 18'	32 58'	48 33'	1.4442	1.9890	2.4580
17	s	13	131	25 50	73 12'	"	71 28'	24 39'	59 31'	"	2.9834	3.3147
18	ω	14	141	19 57	76 42'	"	75 53'	19 24'	66 10'	"	3.9780	4.2320
19	π	16	161	13 36'	80 45'	"	80 29'	13 25'	73 36'	"	5.9669	6.1391
20	μ	$\frac{1}{2}1$	122	35 59	50 52'	35 50	44 50'	27 07'	38 52'	0.7221	0.9945	1.2290
21	n	21	211	71 00	71 52'	70 54	"	63 58'	18 01'	2.8884	"	3.0548
22	δ	24	241	35 59	78 30'	"	75 53'	35 09'	52 27'	"	3.9780	4.9161
23	θ	$\frac{1}{4}2$	163	13 36'	63 57'	25 42'	63 18'	12 12'	60 50'	0.4814	1.9890	2.0404
24	χ	$\frac{3}{4}1$	214	71 00	37 22'	35 50	13 57'	35 01'	11 23'	0.7221	0.2486	0.7637
25	β	$\frac{1}{2}1$	152	16 11'	68 53'	"	68 05'	15 05'	63 36'	"	2.4862	2.5800
26	r	$\frac{1}{3}1$	123	35 59	39 20'	25 42'	33 32'	21 51'	30 51'	0.4814	0.6630	0.8194
27	λ	$\frac{3}{4}1$	143	19 57	54 40'	"	52 58'	16 10'	50 04'	"	1.3260	1.4107
28	ε	$\frac{1}{2}1$	183	10 17	69 39'	"	69 20'	9 38'	67 18'	"	2.6520	2.6959
29	h	$\frac{1}{3}1$	125	35 59	26 10'	16 06'	21 41'	15 01'	20 55'	0.2888	3.9780	0.4916
30	l	$\frac{3}{4}1$	534	67 33	62 53'	61 01	36 43'	55 21'	19 52'	1.8052	0.7459	1.9533

Alaun.

(Kali-Alaun. Ammoniak-Alaun.)

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} — \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{matrix} 012 \\ 021 \\ 120 \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ " \end{matrix}$	$\begin{matrix} " \\ " \\ 0^\circ 5000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$
3	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
4	q	$\begin{cases} \frac{1}{2} \\ 12 \end{cases}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7071 \\ 2^\circ 2360 \end{matrix}$
5	p	$\begin{cases} 1 \\ 2 \end{cases}$	$\begin{matrix} 111 \\ 221 \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 54^\circ 44' \\ 70^\circ 31' \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 41^\circ 48' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 41^\circ 48' \end{matrix}$	$\begin{matrix} " \\ 0^\circ 5000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 4142 \\ 2^\circ 8284 \end{matrix}$

Allaktit.**Monoklin.**

a = 0'6128	lg a = 978732	lg a ₀ = 026383	lg p ₀ = 973617	a ₀ = 1'8357	p ₀ = 0'5447
c = 0'3338	lg c = 952349	lg b ₀ = 047651	lg q ₀ = 952131	b ₀ = 2'9958	q ₀ = 0'3321
$\mu_{180-\beta} = \frac{1}{84^\circ 16'}$	lg h = 999782	lg e = 899893	lg p ₀ = 021486	h = 0'9950	e = 0'0998

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	b	$\begin{cases} 0\infty \\ \infty 0 \end{cases}$	$\begin{matrix} 010 \\ 100 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 90^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 90^\circ 00' \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 90^\circ 00' \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} \infty \\ 0 \end{matrix}$	$\begin{matrix} \infty \\ " \end{matrix}$
3	g	$\begin{cases} 9\infty \\ 3\infty \end{cases}$	$\begin{matrix} 910 \\ 310 \end{matrix}$	$\begin{matrix} 86^\circ 07' \\ 78^\circ 30' \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} 90^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 86^\circ 07' \\ 78^\circ 30' \end{matrix}$	$\begin{matrix} 3^\circ 52' \\ 11^\circ 29' \end{matrix}$	$\begin{matrix} 14^\circ 7603 \\ 4^\circ 9201 \end{matrix}$	$\begin{matrix} \infty \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$
4	k	$\begin{cases} 2\infty \\ 2\infty \end{cases}$	$\begin{matrix} 210 \\ 210 \end{matrix}$	$\begin{matrix} 73^\circ 02' \\ 73^\circ 02' \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} 73^\circ 02' \\ 73^\circ 02' \end{matrix}$	$\begin{matrix} 16^\circ 57' \\ 16^\circ 57' \end{matrix}$	$\begin{matrix} 3^\circ 2801 \\ 3^\circ 2801 \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$
5	l	$\begin{cases} \frac{3}{2}\infty \\ \infty \frac{3}{2} \end{cases}$	$\begin{matrix} 320 \\ 110 \end{matrix}$	$\begin{matrix} 67^\circ 52' \\ 58^\circ 37' \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} 67^\circ 52' \\ 58^\circ 37' \end{matrix}$	$\begin{matrix} 22^\circ 07' \\ 31^\circ 22' \end{matrix}$	$\begin{matrix} 2^\circ 4600 \\ 1^\circ 6400 \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$
6	f	$\begin{cases} \infty \frac{3}{2} \\ \infty \frac{3}{2} \end{cases}$	$\begin{matrix} 340 \\ 340 \end{matrix}$	$\begin{matrix} 50^\circ 53' \\ 50^\circ 53' \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} 50^\circ 53' \\ 50^\circ 53' \end{matrix}$	$\begin{matrix} 39^\circ 06' \\ 39^\circ 06' \end{matrix}$	$\begin{matrix} 1^\circ 2300 \\ 1^\circ 2300 \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$
7	n	$\begin{cases} \infty 5 \\ \infty 5 \end{cases}$	$\begin{matrix} 150 \\ 150 \end{matrix}$	$\begin{matrix} 18^\circ 09' \\ 18^\circ 09' \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} 18^\circ 09' \\ 18^\circ 09' \end{matrix}$	$\begin{matrix} 71^\circ 50' \\ 71^\circ 50' \end{matrix}$	$\begin{matrix} 0^\circ 3280 \\ 0^\circ 3280 \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
10	e	+10	101	90° 00	32° 56	32° 56	0° 00	32° 56	0° 00	0° 6477'	0	0° 6477'
11	p	+ $\frac{5}{2}$ 0	504	"	38 07	38 07	"	38 07	"	0° 7845	"	0° 7845
12	h	-10	101	90 00	24 05	24 05	"	24 05	"	0° 4471'	"	0° 4471'
13	d	+1	111	62 44	36 05	32 56	18 27	31 34	15 39	0° 6477	0° 3338	0° 7287
14	i	+1 $\frac{5}{2}$	252	37 49	46 34	"	39 51	26 26	35 00	"	0° 8345	1° 0564
15	m	+14	141	25 53	56 01	"	53 10	21 13	48 15	"	1° 3352	1° 4841

Alloklas.

Rhomblisch.

$a=0° 7356$	$lga=986664$	$lga_0=012289$	$lg p_0=987711$	$a_0=1° 327$	$p_0=0° 7536$
$c=0° 5543$	$lg c=974375$	$lg b_0=025625$	$lg q_0=974375$	$b_0=1° 804$	$q_0=0° 5543$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	b	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	e	01	011	"	29 00	"	29 00	"	29 00	"	0° 5543	0° 5543
3	f	10	101	90 00	37 00	37 00	0 00	37 00	0 00	0° 7535	0	0° 7535

Alstonit.

Rhomblisch.

$a=0° 591$	$lga=977159$	$lga_0=990295$	$lg p_0=009705$	$a_0=0° 7997$	$p_0=1° 2504$
$c=0° 739$	$lg c=986864$	$lg b_0=013136$	$lg q_0=986864$	$b_0=1° 3532$	$q_0=0° 7390$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	a	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	m	∞	110	59 25	"	90 00	"	59 25	30 35	1° 6920	"	"
3	k	01	011	0 00	36 28	0 00	36 28	0 00	36 28	0	0° 7390	0° 7390
4	i	02	021	"	55 55	"	55 55	"	55 55	"	1° 4780	1° 4780
5	p	1	111	59 25	55 27	51 21	36 28	45 09	24 46	1° 2504	0° 7390	1° 4524
6	h	2	221	"	71 00	68 12	55 55	54 29	28 45	2° 5008	1° 4780	2° 0049

Altit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	χ (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{Bmatrix} 0 \\ 0\infty \end{Bmatrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$

Alunit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 1'2523 \quad \lg c = 009770 \quad \lg a_0 = 014085 \quad \lg p_0 = 992162 \quad a_0 = 1'3831 \quad p_0 = 0'8349 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	χ (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	d	$\infty 0$	1010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	e	∞	1120	30° 00'	"	"	"	30° 00'	60° 00'	0'5773	"	"
4	t f	± 2	2241	"	70° 55'	55° 20'	68° 14'	28° 12'	54° 56'	1'4460	2'5046	2'8920
5	s	$\pm \frac{2}{3}$	6'6'12'5	"	60° 02'	40° 56'	56° 21'	25° 40'	48° 37'	0'8676	1'5027	1'7352
6	r	± 1	1121	"	55° 20'	35° 52'	51° 23'	24° 17'	45° 25'	0'7230	1'2523	1'4460
7	q	$\pm \frac{2}{3}$	6'6'12'7	"	51° 06'	31° 47'	47° 01'	22° 54'	42° 22'	0'6197	1'0734	1'2395
8	v	$\pm \frac{2}{3}$	3364	"	47° 19'	28° 28'	43° 12'	21° 34'	39° 32'	0'5423	0'9392	1'0845
9	w	$\pm \frac{2}{3}$	7'7'14'9	"	48° 21'	29° 21'	44° 15'	21° 56'	40° 20'	0'5624	0'9740	1'1247
10	p	$\pm \frac{1}{6}$	1'1'2'64	"	1° 17'	0° 39'	1° 07'	0° 39'	1° 07'	0'0113	0'0196	0'0226

Alvit.

Tetragonal.

$$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0'637 \quad \lg c = 980414 \quad \lg a_0 = 019586 \quad a_0 = 1'5699$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	χ (Prismen) (x : y)	y	d =tg ϱ
1	a	0 ∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	\sim	∞
2	m	∞	110	45° 00'	"	90° 00'	"	45° 00'	45° 00'	1'0000	"	"
3	s	1	111	"	42° 01'	32° 30'	32° 30'	28° 15'	28° 15'	0'6370	0'6370	0'9008

Amalgam.

Requär.

No.	Buchstaben	Symb.	Miller	q	q'	ξ	η	ξ	η	$\frac{x}{\text{Prismen}}$	y	d =lg
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
		∞	010	0° 00	90° 00	—	90° 00	—	90° 00	—	∞	∞
2	a	$\frac{1}{2}$	013	—	18° 26'	—	18° 26'	—	18° 26'	—	0.3333	0.3333
		$\frac{1}{3}$	031	—	71° 34'	—	71° 34'	—	71° 34'	—	3.0000	3.0000
		∞3	130	18° 26'	90° 00	90° 00	90° 00	18° 26'	—	0.3333	∞	∞
3	e	$\frac{1}{2}$	012	0° 00	26° 34'	0° 00	26° 34'	0° 00	26° 34'	0	0.5000	0.5000
		$\frac{1}{2}$	021	—	63° 26'	—	63° 26'	—	63° 26'	—	2.0000	2.0000
		∞2	120	26° 34'	90° 00	90° 00	90° 00	26° 34'	—	0.5000	∞	∞
4	d	$\frac{1}{2}$	011	0° 00	45° 00	0° 00	45° 00	0° 00	45° 00	0	1.0000	1.0000
		∞	110	45° 00	90° 00	90° 00	90° 00	45° 00	—	1.0000	∞	∞
5	q	$\frac{1}{2}$	112	—	35° 16'	26° 34'	26° 34'	24° 05'	24° 05'	0.5000	0.5000	0.7071
		$\frac{1}{2}$	121	26° 34'	65° 54'	45° 00	63° 26'	—	54° 44'	1.0000	2.0000	2.2301
6	p	1	111	45° 00	54° 44'	—	45° 00	35° 16'	35° 16'	—	1.0000	1.4142
7	u	$\frac{1}{2}$	122	26° 34'	48° 11'	26° 34'	—	14° 28'	41° 48'	0.5000	—	1.1180
		$\frac{1}{2}$	221	45° 00	70° 31'	63° 26'	63° 26'	41° 48'	—	2.0000	2.0000	2.8284
8	x	$\frac{1}{2}$	123	26° 34'	39° 42'	18° 26'	33° 41'	15° 30'	32° 18'	0.3333	0.6667	0.7453
		$\frac{1}{2}$	132	18° 26'	57° 41'	26° 34'	50° 18'	—	53° 18'	0.5000	1.5000	1.5811
		$\frac{1}{2}$	231	33° 41'	74° 30'	63° 26'	71° 34'	32° 18'	—	2.0000	3.0000	3.0055

Amarantit.

Triklin.

$p_2 = 0.7467$	$\lambda = 54.16$	$a = 0.7631$	$\alpha = 95.38$	$x_2 = 0.0000$	$d = 0.1001$
$q_2 = 0.5784$	$\mu = 88.53$	$b = 1$	$\beta = 90.24$	$y_2 = 0.0000$	$\delta = 3.250$
$r_2 = 1$	$\nu = 82.43$	$c = 0.5738$	$\gamma = 97.13$	$h = 0.0050$	

No.	Buchstaben	Symb.	Miller	q	q'	ξ	η	ξ	η	$\frac{x'}{\text{Prismen}}$	y'	d' =lg
1	c	0	001	3° 56'	5° 45'	0° 24'	5° 44'	0° 23'	5° 44'	0.0000	0.1004	0.1000
2	b	0∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
3	a	∞0	100	82° 43'	—	90° 00	—	82° 43'	7° 17'	7.818	—	—
4	M	∞∞	110	123° 08'	—	—	90° 00	56° 51'	33° 08'	1.5314	—	—
5	d	01	011	0° 35'	34° 17'	0° 24'	34° 17'	0° 20'	34° 17'	0.0000	0.6817	0.6815
6	h	02	012	177° 58'	10° 40'	—	10° 40'	0° 23'	10° 40'	—	0.1903	0.1904
7	e	01	011	170° 10'	25° 41'	—	25° 41'	0° 21'	25° 41'	—	0.4800	0.4810
8	f	02	021	170° 37'	40° 44'	—	40° 44'	0° 16'	40° 43'	—	1.0022	1.0023
9	x	10	101	75° 24'	37° 49'	30° 55'	11° 04'	30° 24'	8° 53'	0.7514	0.1956	0.7704
10	p	11	111	117° 10'	40° 11'	30° 55'	21° 05'	35° 02'	17° 08'	0.7514	0.3857	0.8440
11	n	12	121	28° 57'	57° 12'	—	53° 38'	24° 00'	47° 21'	—	1.3583	1.5523
12	o	11	111	51° 04'	43° 28'	30° 24'	30° 40'	32° 21'	25° 30'	0.7375	0.5955	0.9479

Amblygonit.

Triklin.

$p_0 = 1.0270$	$\lambda = 67^\circ 38'$	$a = 0.7334$	$\alpha = 108^\circ 51'$	$x_0 = 0.1255$	$d = 0.4006$
$q_0 = 0.7885$	$\mu = 75^\circ 30'$	$b = 1$	$\beta = 97^\circ 48'$	$y_0 = 0.3804$	$\delta = 18^\circ 16'$
$r_0 = 1$	$\nu = 69^\circ 35'$	$c = 0.7633$	$\gamma = 106^\circ 27'$	$h = 0.9162$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
1	c	0	001	$18^\circ 16'$	$23^\circ 37'$	$7^\circ 48'$	$22^\circ 33'$	$7^\circ 12'$	$22^\circ 21'$	0.1370	0.4152	0.4372
2	a	$\infty 0$	100	$69^\circ 35'$	$90^\circ 00'$	$90^\circ 00'$	$90^\circ 00'$	$69^\circ 35'$	$20^\circ 25'$	2.6865	∞	∞
3	m	∞	110	$40^\circ 00'$	"	"	"	$40^\circ 00'$	$49^\circ 59'$	0.8789	"	"
4	M	$\infty \infty$	110	$114^\circ 05'$	"	"	$90^\circ 00'$	$65^\circ 54'$	$24^\circ 05'$	2.2368	"	"
5	z	$\infty 2$	120	$141^\circ 41'$	"	"	"	$38^\circ 18'$	$51^\circ 41'$	0.7809	"	"
6	e	02	021	$174^\circ 00'$	$52^\circ 42'$	$7^\circ 48'$	$52^\circ 32'$	$4^\circ 46'$	$52^\circ 17'$	0.1370	1.3053	1.3125
7	l	10	101	$55^\circ 49'$	$55^\circ 08'$	$49^\circ 54'$	$38^\circ 52'$	$42^\circ 45'$	$27^\circ 26'$	1.1874	0.8061	1.4352
8	h	10	101	$88^\circ 29'$	$42^\circ 25'$	$42^\circ 25'$	$1^\circ 23'$	$42^\circ 24'$	$1^\circ 01'$	0.9135	0.0242	0.9138

Amphibol.

Monoklin.

$a = 0.5482$	$\lg a = 973894$	$\lg a_0 = 027104$	$\lg p_0 = 972896$	$a_0 = 1.8666$	$p_0 = 0.5357$
$c = 0.2937$	$\lg c = 946790$	$\lg b_0 = 053210$	$\lg q_0 = 945291$	$b_0 = 3.4049$	$q_0 = 0.2837$
$\mu = \left. \begin{matrix} 180 \\ 180 - \beta \end{matrix} \right\} 75^\circ 02'$	$\lg h = \left. \begin{matrix} 998501 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 941205 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 027605$	$h = 0.9661$	$e = 0.2583$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
1	c	0	001	$90^\circ 00'$	$14^\circ 58'$	$14^\circ 58'$	$0^\circ 00'$	$14^\circ 58'$	$0^\circ 00'$	0.2673	0	0
2	b	0∞	010	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	0	∞	∞
3	a	$\infty 0$	100	$90^\circ 00'$	"	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	∞	0	"
4	n	3∞	310	$79^\circ 59'$	"	"	$90^\circ 00'$	$79^\circ 59'$	$10^\circ 00'$	5.6646	∞	"
5	q	2∞	210	$75^\circ 10'$	"	"	"	$75^\circ 10'$	$14^\circ 50'$	3.7764	"	"
6	d	$\frac{1}{3} \infty$	430	$68^\circ 20'$	"	"	"	$68^\circ 20'$	$21^\circ 40'$	2.5176	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
7	m	∞	110	62° 05'	90° 00'	90° 00'	90° 00'	62° 05'	27° 54'	1'8882	∞	∞
8	e	∞_3	130	32 11	"	"	"	32 11	57 49	0'6294	"	"
9	x	∞_5	150	20 41	"	"	"	20 41	69 18	0'3776	"	"
10	Y	∞_7	170	15 06	"	"	"	15 06	74 54	0'2697	"	"
11	d	01	011	42 18	21 39	14 58	16 22	14 23	15 50	0'2673	0'2937	0'3971
12	z	02	021	24 28	32 50	"	30 26	12 59	29 34	"	0'5874	0'6454
13	u	03	031	16 53	42 38	"	41 23	11 20	40 24	"	0'8811	0'9207
14	s	04	041	12 49	50 18	"	49 36	9 50	48 37	"	1'1748	1'2048
15	f	+20	201	90 00	54 00	54 00	0 00	54 00	0 00	1'3765	0	1'3765
16	l	+10	101	"	39 25	39 25	"	39 25	"	0'8219	"	0'8219
17	h	+20	203	"	32 29	32 29	"	32 29	"	0'6369	"	0'6369
18	w	-10	101	90 00	16 01	16 01	"	16 01	"	0'2872	"	0'2872
19	t	-20	201	"	40 05	40 05	"	40 05	"	0'8417	"	0'8417
20	k	+1	111	70 20	41 07	39 26	16 22	38 15	12 47	0'8219	0'2937	0'8728
21	p	+1/2	112	74 54	29 25	28 34	8 21	28 19	7 21	0'5447	0'1468	0'5041
22	r	-1	111	44 21	22 20	16 01	16 22	15 24	15 46	0'2872	0'2937	0'4108
23	o	-2	221	55 05	45 45	40 05	30 26	35 58	24 12	0'8418	0'5874	1'0264
24	y	+1'10	1'10'1	15 38	71 51	39 26	71 12	14 50	66 13	0'8219	2'9370	3'0497
25	g	+15	151	29 14	59 17	"	55 45	24 49	48 36	"	1'4685	1'6828
26	v	+13	131	43 00	50 18	"	41 23	31 39	34 14	"	0'8811	1'2050
27	P	+12	121	54 27	45 17	"	30 26	35 19	24 24	"	0'5874	1'0102
28	i	-13	131	18 03	42 49	16 01	41 23	12 09	40 15	0'2774	0'8811	0'9267
29	q	-15	151	11 04	56 14	"	55 45	9 11	54 41	"	1'4685	1'4963
30	a	-2 1/2	312	75 25	30 15	29 26	8 21	29 11	7 17	0'5453	0'1468	0'5833
31	β	+1 1/2	132	51 02	35 00	28 34	23 46	26 29	21 09	0'5447	0'4405	0'7005

Analcim.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} - \\ 0^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \end{cases}$	$\begin{cases} 0^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \end{cases}$	$\begin{cases} 0^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$
2	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty_2 \end{cases}$	$\begin{cases} 012 \\ 021 \\ 120 \end{cases}$	$\begin{cases} " \\ " \\ 26^\circ 34' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{cases}$	$\begin{cases} " \\ " \\ 90^\circ 00' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{cases}$	$\begin{cases} " \\ " \\ 26^\circ 34' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 63^\circ 26' \\ " \end{cases}$	$\begin{cases} " \\ " \\ 0'5000 \end{cases}$	$\begin{cases} 0'5000 \\ 2'0000 \\ \infty \end{cases}$	$\begin{cases} 0'5000 \\ 2'0000 \\ \infty \end{cases}$
3	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} 0^\circ 00' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 45^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 45^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 45^\circ 00' \\ " \end{cases}$	$\begin{cases} 0 \\ 1'0000 \end{cases}$	$\begin{cases} 1'0000 \\ \infty \end{cases}$	$\begin{cases} 1'0000 \\ \infty \end{cases}$
4	q	$\begin{cases} \frac{1}{2} \\ 12 \end{cases}$	$\begin{cases} 112 \\ 121 \end{cases}$	$\begin{cases} " \\ 26^\circ 34' \end{cases}$	$\begin{cases} 35^\circ 16' \\ 65^\circ 54' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 24^\circ 05' \\ " \end{cases}$	$\begin{cases} 24^\circ 05' \\ 54^\circ 44' \end{cases}$	$\begin{cases} 0'5000 \\ 1'0000 \end{cases}$	$\begin{cases} 0'5000 \\ 2'0000 \end{cases}$	$\begin{cases} 0'7071 \\ 2'2360 \end{cases}$
5	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
6	w	$\begin{cases} \frac{2}{3}1 \\ \frac{2}{2} \end{cases}$	$\begin{cases} 233 \\ 332 \end{cases}$	$\begin{cases} 33^\circ 41' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 50^\circ 14' \\ 64^\circ 45' \end{cases}$	$\begin{cases} 33^\circ 41' \\ 56^\circ 18' \end{cases}$	$\begin{cases} " \\ 56^\circ 18' \end{cases}$	$\begin{cases} 25^\circ 14' \\ 39^\circ 45' \end{cases}$	$\begin{cases} 39^\circ 45' \\ " \end{cases}$	$\begin{cases} 0'6667 \\ 1'5000 \end{cases}$	$\begin{cases} " \\ 1'5000 \end{cases}$	$\begin{cases} 1'2019 \\ 2'1213 \end{cases}$

Anatas.

Tetragonal.

$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 1.7771$	$\lg c = 0.24971$	$\lg a_o = 9.75029$	$a_o = 0.5627$
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No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	45 00	"	90 00	"	45 00	45 00	1'0000	"	"
4	o	0 $\frac{1}{2}$	017	0 00	14 14'	0 00	14 14'	0 00	14 14'	0	0'2538	0'2538
5	u	0 $\frac{1}{3}$	015	"	19 34	"	19 34	"	19 34	"	0'3554	0'3554
6	u ₁	0 $\frac{2}{3}$	0'5'19	"	25 04	"	25 04	"	25 04	"	0'4676	0'4676
7	x	0 $\frac{1}{3}$	013	"	30 38'	"	30 38'	"	30 38'	"	0'5923	0'5923
8	e	01	011	"	60 38	"	60 38	"	60 38	"	1'7771	1'7771
9	q	02	021	"	74 17	"	74 17	"	74 17	"	3'5541	3'5541
10	d	03	031	"	79 22'	"	79 22'	"	79 22'	"	5'3312	5'3312
11	γ	0 $\frac{3}{2}$	092	"	82 52'	"	82 52'	"	82 52'	"	7'9968	7'9968
12	G	0 $\frac{13}{2}$	0'13'2	"	85 03	"	85 03	"	85 03	"	11'5510	11'5510
13	g	07	071	"	85 24'	"	85 24'	"	85 24'	"	12'4397	12'4397
14	E	08	081	"	85 58'	"	85 58'	"	85 58'	"	14'2167	14'2167
15	ϱ	$\frac{1}{2}$	1'1'40	45 00	3 35'	2 32'	2 32'	2 32'	2 32'	0'0444	0'0444	0'0628
16	ν	$\frac{1}{2}$	1'1'28	"	5 07'	3 38	3 38	3 37'	3 37'	0'0634	0'0634	0'0897
17	μ	$\frac{1}{2}$	1'1'14	"	10 10'	7 14	7 14	7 10'	7 10'	0'1269	0'1269	0'1795
18	l	$\frac{1}{2}$	1'1'10	"	14 06'	10 04'	10 04'	9 55'	9 55'	0'1777	0'1777	0'2513
19	a	$\frac{1}{3}$	119	"	15 36	11 10	11 10	10 57'	10 57'	0'1974	0'1974	0'2792
20	π	$\frac{1}{3}$	118	"	17 26'	12 31'	12 31'	12 14	12 14	0'2221	0'2221	0'3141
21	v	$\frac{1}{7}$	117	"	19 44'	14 14'	14 14'	13 49	13 49	0'2538	0'2538	0'3589
22	V	$\frac{3}{20}$	3'3'20	"	20 39'	14 55'	14 55'	14 26'	14 26'	0'2665	0'2665	0'3770
23	i	$\frac{1}{6}$	116	"	22 43'	16 30	16 30	15 51	15 51	0'2962	0'2962	0'4189
24	r	$\frac{1}{3}$	115	"	26 41	19 34	19 34	18 31	18 31	0.3554	0'3554	0'5026
25	f	$\frac{1}{4}$	114	"	32 08'	23 57	23 57	22 06	22 06	0'4442	0'4442	0'6283
26	F	$\frac{3}{19}$	5'5'19	"	33 28'	25 04	25 04	22 57'	22 57'	0'4676	0'4676	0'6614
27	n	$\frac{2}{7}$	227	"	35 41	26 55	26 55	24 21'	24 21'	0'5077	0'5077	0'7180
28	z	$\frac{1}{3}$	113	"	39 57	30 38'	30 38'	27 00'	27 00'	0'5923	0'5923	0'8377
29	ψ	$\frac{2}{3}$	225	"	45 09	35 24'	35 24'	30 05	30 05	0'7108	0'7108	1'0052
30	Ψ	$\frac{5}{12}$	5'5'12	"	46 19	36 31	36 31	30 45'	30 45'	0'7404	0'7404	1'0471
31	z	$\frac{3}{7}$	337	"	47 07'	37 17'	37 17'	31 12'	31 12'	0'7616	0'7616	1'0770
32	X	$\frac{1}{11}$	5'5'11	"	48 48	38 56	38 56	32 08'	32 08'	0'8078	0'8078	1'1423
33	k	$\frac{1}{2}$	112	"	51 29	41 37'	41 37'	33 35	33 35	0'8885	0'8885	1'2566
34	e	$\frac{3}{5}$	335	"	56 27	46 50	46 50	36 06'	36 06'	1'0662	1'0662	1'5079
35	η	$\frac{2}{3}$	223	"	59 10	49 50	49 50	37 23	37 23	1'1847	1'1847	1'6754

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
36	p	1	111	45°00	68°18	60°38	60°38	41°04	41°04	1'7771	1'7771	2'5132
37	P	$\frac{1}{2}$	15'15'8	"	78 01	73 17	73 17	43 46	43 46	3'3320	3'3320	4'7121
38	w	2	221	"	78 45	74 17	74 17	43 54	43 54	3'5541	3'5541	5'0263
39	δ	3	331	"	82 26	79 22	79 22	44 30	44 30	5'3312	5'3312	7'5395
40	r	$\frac{1}{4}$	133	18 26	61 54	30 38	60 38	16 12	56 49	0'5923	1'7771	1'8732
41	?y	$\frac{1}{2}$	4'9'12	23 57	55 34	"	53 07	19 34	48 54	"	1'3328	1'4585
42	β	$\frac{1}{2}$	256	21 48	57 55	"	55 58	18 20	51 52	"	1'4809	1'5950
43	h	$\frac{1}{3}$	153	11 18	71 41	"	71 20	10 44	68 34	"	2'9618	3'0204
44	t	$\frac{1}{3}$	1'21'3	2 43	85 24	"	85 24	2 43	84 39	"	12'440	12'454
45	φ	$\frac{1}{5}$	139	18 26	31 59	11 10	30 38	9 38	30 10	0'1974	0'5923	0'6244
46	H	$\frac{1}{3}$	9'13'39	34 41	35 46	22 18	"	19 26	28 43	0'4101	"	0'7205
47	σ	$\frac{1}{10}$	1'2'10	26 34	21 40	10 04	19 34	9 30	19 17	0'1777	0'3554	0'3974
48	b	$\frac{2}{3}$	2'18'3	6 20	84 40	49 50	84 38	6 19	81 44	1'1847	10'662	10'7280
49	ω	$\frac{2}{3}$	4'39'6	5 51	85 04	"	85 03	5 50	82 22	"	11'551	11'6117
50	ϑ	$\frac{2}{3}$	352	30 58	79 04	69 26	77 19	30 20	57 21	2'6656	4'4430	5'1812
51	B	$\frac{3}{2}$	3'17'2	10 00	86 16	"	86 12	9 59	79 19	"	15'105	15'330
52	C	$\frac{3}{2}$	3'5'20	30 58	27 23	14 55	23 57	13 41	23 14	0'2666	0'4443	0'5181
53	D	$\frac{1}{4}$	1'11'4	5 11	78 29	23 57	78 26	5 05	77 23	0'4443	4'8870	4'9070
54	s	$\frac{1}{19}$	1'5'19	11 18	25 30	5 20	25 04	4 50	24 58	0'0935	0'4677	0'4769

Andalusit.

Rhombisch.

a = 0'9861	lg a = 999392	lg a ₀ = 014727	lg p ₀ = 985273	a ₀ = 1'4033	p ₀ = 0'7124
c = 0'7025	lg c = 984665	lg b ₀ = 015335	lg q ₀ = 984665	b ₀ = 1'4235	q ₀ = 0'7025

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	00	010	0°00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	l	2∞	210	63 45	"	"	90 00	63 45	26 14	2'0282	∞	"
5	i	$\frac{1}{2}$ ∞	320	56 41	"	"	"	56 41	33 19	1'5211	"	"
6	m	∞	110	45 24	"	"	"	45 24	44 36	1'0141	"	"
7	n	∞2	120	26 53	"	"	"	26 53	63 07	0'5070	"	"

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
8	t	$0\frac{1}{2}$	013	0° 00	13° 11	0° 00	13° 11	0° 00	13° 11	0	0° 2342	0° 2342
9	s	01	011	"	35 05	"	35 05	"	35 05	"	0° 7025	0° 7025
10	v	$0\frac{2}{3}$	054	"	41 17	"	41 17	"	41 17	"	0° 8781	0° 8781
11	u	$0\frac{3}{2}$	032	"	46 30	"	46 30	"	46 30	"	1° 0538	1° 0538
12	r	03	031	"	64 37	"	64 37	"	64 37	"	2° 1075	2° 1075
13	r	10	101	90 00	35 29	35 29	0 00	35 29	0 00	0° 7124	0	0° 7124
14	x	$\frac{1}{2}$	112	45 24	26 34	19 36	19 21	18 34	18 18	0° 3562	0° 3512	0° 5003
15	p	1	111	"	45 01	35 28	35 05	30 14	29 46	0° 7124	0° 7025	1° 0005
16	k	12	121	26 53	57 35	"	54 33	22 26	48 51	"	1° 4050	1° 5753

Andorit.

Rhombisch.

a = 0.9776	lg a = 999016	lg a ₀ = 005064	lg p ₀ = 994936	a ₀ = 1.1237	p ₀ = 0.8899
c = 0.8700	lg c = 993952	lg b ₀ = 006048	lg q ₀ = 993952	b ₀ = 1.1495	q ₀ = 0.8700

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	b	0 ∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	$\infty 0$	100	90 00	0 00	90 00	0 00	90 00	0 00	∞	"	"
3	n	2 ∞	210	63 57	90 00	"	90 00	63 57	26 03	2° 0458	"	"
4	t	$\frac{4}{3}\infty$	430	53 45	"	"	"	53 45	36 15	1° 3639	"	"
5	m	$\infty \frac{2}{3}$	110	45 39	"	"	"	45 39	44 21	1° 0229	"	"
6	l	$\infty \frac{3}{2}$	230	34 17	"	"	"	34 17	55 42	0.6819	"	"
7	d	$\frac{1}{2}0$	102	90 00	23 59	23 59	0 00	23 59	0 00	0° 4450	0	0° 4450
8	o	$\frac{1}{10}$	101	"	41 40	41 40	"	41 40	"	0° 8899	"	0° 8899
9	v	$\frac{3}{2}0$	302	"	53 09	53 09	"	53 09	"	1° 3352	"	1° 3352
10	r	$1\frac{3}{2}$	434	53 45	47 49	41 40	33 07	36 42	25 59	0° 8899	0° 6525	1° 1035
11	s	$1\frac{3}{2}$	232	34 17	57 40	"	52 32	28 25	44 16	"	1° 3050	1° 5796
12	q	$\frac{3}{2}\frac{3}{2}$	634	63 57	56 03	53 09	33 07	48 11	21 22	1° 3352	0.6525	1° 5858

Anglesit.

Rhomhisch.

a = 0.7852	lga = 989498	lga ₀ = 978459	lg p ₀ = 021541	a ₀ = 0.6089	p ₀ = 1.6421
c = 1.2894	lg c = 011039	lgb ₀ = 988961	lg q ₀ = 011039	b ₀ = 0.7755	q ₀ = 1.2894

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0 ∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞ 0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	M	4 ∞	410	78° 53'	"	"	90° 00	78° 53'	11° 06'	5.0943	∞	"
5	N	3 ∞	310	75° 20'	"	"	"	75° 20'	14° 40'	3.8206	"	"
6	O	∞ 2	520	72° 34'	"	"	"	72° 34'	17° 26'	3.1839	"	"
7	l	2 ∞	210	68° 34'	"	"	"	68° 34'	21° 26'	2.5471	"	"
8	P	∞ 3	740	65° 50'	"	"	"	65° 50'	24° 10'	2.2287	"	"
9	i	∞ 4	320	62° 22'	"	"	"	62° 22'	27° 38'	1.9103	"	"
10	Q	4 ∞	430	59° 30'	"	"	"	59° 30'	30° 29'	1.6981	"	"
11	R	10 ∞	10.9.0	54° 45'	"	"	"	54° 45'	35° 15'	1.4151	"	"
12	m	∞ 5	110	51° 51'	"	"	"	51° 51'	38° 08'	1.2736	"	"
13	S	8 ∞	9.10.0	48° 54'	"	"	"	48° 54'	41° 06'	1.1462	"	"
14	T	∞ 6	780	48° 06'	"	"	"	48° 06'	41° 54'	1.1143	"	"
15	U	∞ 7	790	44° 43'	"	"	"	44° 43'	45° 16'	0.9905	"	"
16	h	∞ 8	340	43° 41'	"	"	"	43° 41'	46° 19'	0.9552	"	"
17	δ	∞ 9	230	40° 20'	"	"	"	40° 20'	49° 40'	0.8490	"	"
18	V	∞ 10	580	38° 31'	"	"	"	38° 31'	51° 29'	0.7960	"	"
19	n	∞ 2	120	32° 29'	"	"	"	32° 29'	57° 30'	0.6368	"	"
20	x	∞ 3	130	23° 00'	"	"	"	23° 00'	67° 00'	0.4245	"	"
21	W	∞ 4	270	20° 00'	"	"	"	20° 00'	70° 00'	0.3639	"	"
22	A	0 $\frac{1}{8}$	0.1.16	0° 00	4° 36'	0° 00	4° 36'	0° 00	4° 36'	0	0.0806	0.0806
23	a	0 $\frac{1}{8}$	018	"	9° 09'	"	9° 09'	"	9° 09'	"	0.1611	0.1611
24	j	0 $\frac{2}{11}$	0.2.11	"	13° 11'	"	13° 11'	"	13° 11'	"	0.2344	0.2344
25	B	0 $\frac{2}{9}$	029	"	15° 59'	"	15° 59'	"	15° 59'	"	0.2865	0.2865
26	v	0 $\frac{1}{3}$	013	"	23° 15'	"	23° 15'	"	23° 15'	"	0.4298	0.4298
27	φ	0 $\frac{1}{2}$	012	"	32° 48'	"	32° 48'	"	32° 48'	"	0.6447	0.6447
28	x	0 $\frac{3}{5}$	035	"	37° 43'	"	37° 43'	"	37° 43'	"	0.7736	0.7736
29	o	01	011	"	52° 12'	"	52° 12'	"	52° 12'	"	1.2894	1.2894
30	θ	02	021	"	68° 48'	"	68° 48'	"	68° 48'	"	2.5788	2.5788
31	β	03	031	"	75° 30'	"	75° 30'	"	75° 30'	"	3.8682	3.8682
32	k	$\frac{1}{2}$ 0	1.0.24	90° 00	3° 55'	3° 55'	0° 00	3° 55'	0° 00	0.0684	0	0.0684
33	E	$\frac{1}{2}$ 0	1.0.22	"	4° 16'	4° 16'	"	4° 16'	"	0.0746	"	0.0746

No.	Buch- staben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
34	F	$\frac{1}{15}0$	1'0'15	90°00	6°15	6°15	0°00	6°15	0°00	0'1095	0	0'1095
35	G	$\frac{1}{8}0$	108	"	11 36	11 36	"	11 36	"	0'2052	"	0'2052
36	H	$\frac{1}{15}0$	2'0'15	"	12 21	12 21	"	12 21	"	0'2189	"	0'2189
37	I	$\frac{1}{7}0$	107	"	13 12	13 12	"	13 12	"	0'2346	"	0'2346
38	K	$\frac{1}{8}0$	106	"	15 18	15 18	"	15 18	"	0'2737	"	0'2737
39	l	$\frac{1}{4}0$	104	"	22 19	22 19	"	22 19	"	0'4105	"	0'4105
40	e	$\frac{1}{3}0$	103	"	28 41	28 41	"	28 41	"	0'5474	"	0'5474
41	d	$\frac{1}{2}0$	102	"	39 23	39 23	"	39 23	"	0'8210	"	0'8210
42	θ	$\frac{1}{6}$	116	51 51	19 11	15 18	12 07	14 59	11 42	0'2737	0'2149	0'3480
43	f	$\frac{1}{4}$	114	"	27 34	22 19	17 52	21 20	16 36	0'4105	0'3223	0'5220
44	g	$\frac{1}{3}$	113	"	34 50	28 41	23 15	26 42	20 39	0'5474	0'4298	0'6960
45	r	$\frac{1}{2}$	112	"	46 14	39 23	32 48	34 36	26 29	0'8211	0'6447	1'0439
46	z	1	111	"	64 24	58 39	52 12	45 11	33 51	1'6418	1'2894	2'0878
47	r	2	221	"	76 32	73 04	68 48	49 54	36 55	3'2843	2'5788	4'1757
48	ξ	3	331	"	80 56	78 31	75 30	50 57	37 34	4'9264	3'8682	6'2636
49	A	4	441	"	83 10	81 20	79 01	51 20	37 49	6'5686	5'1576	8'3514
50	r	$1\frac{1}{2}$	212	68 34	60 27	58 39	32 48	54 04	18 32	1'6418	0'6447	1'7642
51	t	12	121	32 29	71 53	"	68 48	30 42	53 17	"	2'5788	3'0572
52	e	13	131	23 00	76 37	"	75 30	22 20	63 34	"	3'8682	4'2024
53	E	$\frac{1}{2}1$	1'12'12	6 03	52 21	7 47	52 12	4 47	51 56	0'1368	1'2894	1'2966
54	q	$\frac{1}{6}1$	166	11 59	52 49	15 18	"	9 31	51 12	0'2737	"	1'3181
55	π	$\frac{1}{3}1$	155	14 17	53 04	18 11	"	11 23	50 46	0'3284	"	1'3306
56	χ	$\frac{1}{4}1$	144	17 40	53 32	22 19	"	14 07	50 01	0'4105	"	1'3532
57	ψ	$\frac{1}{3}1$	133	23 00	54 29	28 42	"	18 32	48 31	0'5474	"	1'4008
58	y	$\frac{1}{2}1$	122	32 29	56 48	39 23	"	26 43	44 54	0'8211	"	1'5286
59	i	$\frac{2}{3}1$	233	40 20	59 24	47 35	"	33 51	41 00	1'0948	"	1'6915
60	ω	$\frac{2}{3}1$	214	68 34	41 25	39 23	17 52	38 00	13 59	0'8211	0'3223	0'8821
61	s	$\frac{1}{2}2$	132	23 00	64 33	"	62 39	20 40	56 13	"	1'9341	2'1012
62	ζ	$\frac{1}{2}2$	142	17 39	69 43	"	68 48	16 32	63 21	"	2'5788	2'7064
63	J	$\frac{1}{20}2$	1'10'20	7 15	33 01	4 41	32 48	3 57	32 43	"	0'6447	0'6499
64	μ	$\frac{1}{4}2$	124	32 29	37 23	22 19	"	19 02	30 49	0'4105	"	0'7643
65	L	$\frac{1}{3}2$	236	40 20	40 13	28 41	"	24 42	29 29	0'5474	"	0'8457
66	p	$\frac{2}{3}2$	324	62 22	54 16	50 55	"	45 59	22 07	1'2316	"	1'3901
67	ϱ	$\frac{3}{2}2$	342	43 41	74 20	67 54	68 48	41 41	44 07	2'4632	2'5788	3'5670
68	γ	$\frac{1}{3}3$	123	32 29	45 32	28 41	40 41	22 32	37 01	0'5474	0'8596	1'0191
69	a	$\frac{1}{3}3$	143	17 39	61 00	"	59 49	15 23	56 27	"	1'7192	1'8042
70	b	$\frac{1}{3}3$	1'11'13	6 36	47 41	7 12	47 29	4 52	47 16	0'1263	1'0910	1'0983
71	c	$\frac{1}{6}3$	126	32 29	27 00	15 18	23 15	14 07	22 31	0'2737	0'4298	0'5095
72	b	$\frac{2}{3}3$	562	46 42	79 57	76 18	75 30	45 46	42 28	4'1054	3'8682	5'6406
73	w	$\frac{1}{4}4$	128	32 29	20 55	11 36	17 52	11 03	17 31	0'2052	0'3223	0'3822
74	e	$\frac{4}{2}$	892	48 32	83 29	81 20	80 13	48 07	41 08	6'5686	5'8023	8'7644
75	i	$\frac{7}{2}4$	782	48 06	82 37	80 08	79 01	47 34	41 29	5'7475	5'1576	7'7223

Akanthit.

Rhombisch.

a = 0.6886	lg a = 983797	lg a ₀ = 984037	lg p ₀ = 015963	a ₀ = 0.6924	p ₀ = 1.4442
c = 0.9945	lg c = 999760	lg b ₀ = 000240	lg q ₀ = 999760	b ₀ = 1.0055	q ₀ = 0.9945

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	r	2∞	210	71 00	"	"	90 00	71 00	19 00	2.9044	∞	"
5	m	∞	110	55 27	"	"	"	55 27	34 33	1.4522	"	"
6	a	∞2	120	35 59	"	"	"	35 59	54 01	0.7261	"	"
7	d	01	011	0 00	44 50'	0 00	44 50'	0 00	44 50'	0	0.9945	0.9945
8	v	$\frac{1}{2}0$	103	90 00	25 42'	25 42'	0 00	25 42'	0 00	0.4814	0	0.4814
9	o	10	101	"	55 18	55 18	"	55 18	"	1.4442	"	1.4442
10	γ	$\frac{3}{2}0$	504	"	61 01	61 01	"	61 01	"	1.8052	"	1.8052
11	u	20	201	"	70 54	70 54	"	70 54	"	2.8884	"	2.8884
12	e	30	301	"	77 00	77 00	"	77 00	"	4.3326	"	4.3326
13	x	$\frac{1}{3}$	113	55 27	30 18'	25 42'	18 20'	24 33'	16 38'	0.4814	0.3315	0.5845
14	p	1	111	"	60 18	55 18	44 50'	45 41'	29 31'	1.4442	0.9945	1.7537
15	z	$\frac{2}{3}$	554	"	65 28'	61 01	51 11'	48 32'	31 04'	1.8052	1.2431	2.1018
16	k	12	121	35 59	67 52	55 18	63 18'	32 58'	48 33'	1.4442	1.9890	2.4580
17	s	13	131	25 50	73 12'	"	71 28'	24 39'	59 31'	"	2.9834	3.3147
18	ω	14	141	19 57	76 42'	"	75 53'	19 24'	66 10'	"	3.9780	4.2320
19	π	16	161	13 36'	80 45'	"	80 29'	13 25'	73 36'	"	5.9669	6.1391
20	μ	$\frac{1}{2}1$	122	35 59	50 52'	35 50	44 50'	27 07'	38 52'	0.7221	0.9945	1.2290
21	n	21	211	71 00	71 52'	70 54	"	63 58'	18 01'	2.8884	"	3.0548
22	δ	24	241	35 59	78 30'	"	75 53'	35 09'	52 27'	"	3.9780	4.9161
23	θ	$\frac{1}{4}2$	163	13 36'	63 57'	25 42'	63 18'	12 12'	60 50'	0.4814	1.9890	2.0464
24	χ	$\frac{3}{4}1$	214	71 00	37 22'	35 50	13 57'	35 01'	11 23'	0.7221	0.2486	0.7637
25	β	$\frac{1}{2}1\frac{1}{2}$	152	16 11'	68 53'	"	68 05'	15 05'	63 36'	"	2.4862	2.5890
26	r	$\frac{1}{2}1\frac{1}{2}$	123	35 59	39 20'	25 42'	33 32'	21 51'	30 51'	0.4814	0.6630	0.8194
27	λ	$\frac{3}{4}1\frac{1}{2}$	143	19 57	54 40'	"	52 58'	16 10'	50 04'	"	1.3260	1.4107
28	ε	$\frac{1}{4}1\frac{1}{2}$	183	10 17'	69 39'	"	69 20'	9 38'	67 18'	"	2.6520	2.6959
29	h	$\frac{1}{4}1\frac{1}{2}$	125	35 59	26 10'	16 06'	21 41'	15 01'	20 55'	0.2888	3.9780	0.4916
30	l	$\frac{3}{4}1\frac{1}{2}$	534	67 33	62 53'	61 01	36 43'	55 21'	19 52'	1.8052	0.7459	1.9533

Alaun.

(Kali-Alaun. Ammoniak-Alaun.)

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} — \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{matrix} 012 \\ 021 \\ 120 \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ " \end{matrix}$	$\begin{matrix} " \\ " \\ 0^\circ 5000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$
3	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
4	q	$\begin{cases} \frac{1}{2} \\ 12 \end{cases}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7071 \\ 2^\circ 2360 \end{matrix}$
5	p	1	111	45° 00'	54° 44'	"	45° 00'	35° 16'	35° 16'	"	1.0000	1'4142
6	u	$\begin{cases} \frac{1}{2} 1 \\ 2 \end{cases}$	$\begin{matrix} 122 \\ 221 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 48^\circ 11' \\ 70^\circ 31' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} " \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 19^\circ 28' \\ 41^\circ 48' \end{matrix}$	$\begin{matrix} 41^\circ 48' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} " \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 1180 \\ 2^\circ 8284 \end{matrix}$

Allaktit.**Monoklin.**

a = 0'6128	lg a = 978732	lg a ₀ = 026383	lg p ₀ = 973617	a ₀ = 1'8357	p ₀ = 0'5447
c = 0'3338	lg c = 952349	lg b ₀ = 047651	lg q ₀ = 952131	b ₀ = 2'9958	q ₀ = 0'3321
$\mu_{180-\beta} = \frac{1}{84^\circ 16'}$	lg h = 999782 lg sin μ	lg e = 899893 lg cos μ	lg p ₀ = 021486 lg q ₀	h = 0'9950	e = 0'0998

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
1	b	0 ∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	\sim	\sim
2	a	$\infty 0$	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
3	g	9 ∞	910	86° 07'	"	"	90° 00'	86° 07'	3° 52'	14'7603	∞	"
4	k	3 ∞	310	78° 30'	"	"	"	78° 30'	11° 29'	4'9201	"	"
5	l	2 ∞	210	73° 02'	"	"	"	73° 02'	16° 57'	3'2801	"	"
6	f	$\frac{3}{2}\infty$	320	67° 52'	"	"	"	67° 52'	22° 07'	2'4600	"	"
7	n	∞	110	58° 37'	"	"	"	58° 37'	31° 22'	1'6400	"	"
8	o	$\infty \frac{4}{3}$	340	50° 53'	"	"	"	50° 53'	39° 06'	1'2300	"	"
9	r	$\infty 5$	150	18° 09'	"	"	"	18° 09'	71° 50'	0'3280	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x:y)	y'	d' = tg ϱ
10	e	+10	101	90°00	32°56	32°56	0°00	32°56	0°00	0°6477	0	0°6477
11	p	+10	504	"	38°07	38°07	"	38°07	"	0°7845	"	0°7845
12	h	-10	101	90°00	24°05	24°05	"	24°05	"	0°4471	"	0°4471
13	d	+1	111	62°44	36°05	32°56	18°27	31°34	15°39	0°6477	0°3338	0°7287
14	i	+1	252	37°49	46°34	"	39°51	26°26	35°00	"	0°8345	1°0564
15	m	+14	141	25°53	56°01	"	53°10	21°13	48°15	"	1°3352	1°4841

Alloklas.

Rhombsch.

a=0°7356	lg a=986664	lg a ₀ =012289	lg p ₀ =987711	a ₀ =1°327	p ₀ =0°7536
c=0°5543	lg c=974375	lg b ₀ =025625	lg q ₀ =974375	b ₀ =1°804	q ₀ =0°5543

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d = tg ϱ
1	b	00	010	0°00	90°00	0°00	90°00	0°00	90°00	0	∞	∞
2	e	01	011	"	29°00	"	29°00	"	29°00	"	0°5543	0°5543
3	f	10	101	90°00	37°00	37°00	0°00	37°00	0°00	0°7535	0	0°7535

Alstonit.

Rhombsch.

a=0°591	lg a=977159	lg a ₀ =990295	lg p ₀ =009705	a ₀ =0°7997	p ₀ =1°2504
c=0°739	lg c=986864	lg b ₀ =013136	lg q ₀ =986864	b ₀ =1°3532	q ₀ =0°7390

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d = tg ϱ
1	a	00	010	0°00	90°00	0°00	90°00	0°00	90°00	0	∞	∞
2	m	∞	110	59°25	"	90°00	"	59°25	30°35	1°6920	"	"
3	k	01	011	0°00	36°28	0°00	36°28	0°00	36°28	0	0°7390	0°7390
4	i	02	021	"	55°55	"	55°55	"	55°55	"	1°4780	1°4780
5	p	1	111	59°25	55°27	51°21	36°28	45°09	24°46	1°2504	0°7390	1°4524
6	h	2	221	"	71°00	68°12	55°55	54°29	28°45	2°5008	1°4780	2°9049

Altait.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{Bmatrix} 0 \\ \infty \end{Bmatrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$

Alunit.**Hexagonal. Rhomboedrisch-hemiedrisch.**

$$c = 1'2523 \quad \lg c = 009770 \quad \lg a_0 = 014085 \quad \lg p_0 = 992162 \quad a_0 = 1'3831 \quad p_0 = 0'8349 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	d	$\infty 0$	1010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	e	∞	1120	30° 00'	"	"	"	30° 00'	60° 00'	0'5773	"	"
4	t f	± 2	2241	"	70° 55'	55° 20'	68° 14'	28° 12'	54° 56'	1'4460	2'5046	2'8920
5	s	$\pm \frac{2}{3}$	6'6'12'5	"	60° 02'	40° 56'	56° 21'	25° 40'	48° 37'	0'8676	1'5027	1'7352
6	r	± 1	1121	"	55° 20'	35° 52'	51° 23'	24° 17'	45° 25'	0'7230	1'2523	1'4460
7	q	$\pm \frac{2}{3}$	6'6'12'7	"	51° 06'	31° 47'	47° 01'	22° 54'	42° 22'	0'6197	1'0734	1'2395
8	v	$\pm \frac{1}{2}$	3364	"	47° 19'	28° 28'	43° 12'	21° 34'	39° 32'	0'5423	0'9392	1'0845
9	w	$\pm \frac{7}{8}$	7'7'14'9	"	48° 21'	29° 21'	44° 15'	21° 56'	40° 20'	0'5624	0'9740	1'1247
10	p	$\pm \frac{1}{8x}$	1'1'2'64	"	1° 17'	0° 39'	1° 07'	0° 39'	1° 07'	0'0113	0'0196	0'0226

Alvit.**Tetragonal.**

$$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0'637 \quad \lg c = 980414 \quad \lg a_0 = 019586 \quad a_0 = 1'5699$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	a	00	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
2	m	∞	110	45° 00'	"	90° 00'	"	45° 00'	45° 00'	1'0000	"	"
3	s	1	111	"	42° 01'	32° 30'	32° 30'	28° 15'	28° 15'	0'6370	0'6370	0'9008

Amalgam.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg α
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} — \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	a	$\begin{cases} 0\frac{1}{2} \\ 03 \\ \infty 3 \end{cases}$	$\begin{matrix} 013 \\ 031 \\ 130 \end{matrix}$	$\begin{matrix} " \\ " \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ " \end{matrix}$	$\begin{matrix} " \\ " \\ 0^\circ 3333 \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{matrix}$
3	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{matrix} 012 \\ 021 \\ 120 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ " \end{matrix}$	$\begin{matrix} 0 \\ " \\ 0^\circ 5000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$
4	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
5	q	$\begin{cases} \frac{1}{2} \\ 12 \end{cases}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7071 \\ 2^\circ 2360 \end{matrix}$
6	p	1	111	45° 00'	54° 44'	"	45° 00'	35° 16'	35° 16'	"	1° 0000	1° 4142
7	u	$\begin{cases} \frac{1}{2} 1 \\ 2 \end{cases}$	$\begin{matrix} 122 \\ 221 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 48^\circ 11' \\ 70^\circ 31' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} " \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 19^\circ 28' \\ 41^\circ 48' \end{matrix}$	$\begin{matrix} 41^\circ 48' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} " \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 1180 \\ 2^\circ 8284 \end{matrix}$
8	x	$\begin{cases} \frac{1}{3} \frac{2}{3} \\ \frac{1}{2} \frac{1}{2} \\ 23 \end{cases}$	$\begin{matrix} 123 \\ 132 \\ 231 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 18^\circ 26' \\ 33^\circ 41' \end{matrix}$	$\begin{matrix} 36^\circ 42' \\ 57^\circ 41' \\ 74^\circ 30' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 56^\circ 18' \\ 71^\circ 34' \end{matrix}$	$\begin{matrix} 15^\circ 30' \\ " \\ 32^\circ 18' \end{matrix}$	$\begin{matrix} 32^\circ 18' \\ 53^\circ 18' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 6667 \\ 1^\circ 5000 \\ 3^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7453 \\ 1^\circ 5811 \\ 3^\circ 0555 \end{matrix}$

Amarantit.

Triklin.

$p_0 = 0^\circ 7467$	$\lambda = 84^\circ 16'$	$a = 0^\circ 7691$	$\alpha = 95^\circ 38'$	$x_0 = 0^\circ 0069$	$d = 0^\circ 1001$
$q_0 = 0^\circ 5784$	$\mu = 88^\circ 53'$	$b = 1$	$\beta = 90^\circ 24'$	$y_0 = 0^\circ 0999$	$\delta = 3^\circ 56'$
$r_0 = 1$	$\nu = 82^\circ 43'$	$c = 0^\circ 5738$	$\gamma = 97^\circ 13'$	$h = 0^\circ 9950$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x:y)	y'	d' =tg α
1	c	0	001	3° 56'	5° 45'	0° 24'	5° 44'	0° 23'	5° 44'	0° 0069	0° 1004	0° 1000
2	b	0 ∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
3	a	$\infty 0$	100	82° 43'	"	90° 00'	"	82° 43'	7° 17'	7° 818	"	"
4	M	$\infty \infty$	110	123° 08'	"	"	90° 00'	56° 51'	33° 08'	1° 5314	"	"
5	d	01	011	0° 35'	34° 17'	0° 24'	34° 17'	0° 20'	34° 17'	0° 0069	0° 6817	0° 6818
6	h	0 $\frac{1}{2}$	012	177° 58'	10° 46'	"	10° 46'	0° 23'	10° 46'	"	0° 1903	0° 1904
7	e	01	011	179° 10'	25° 41'	"	25° 41'	0° 21'	25° 41'	"	0° 4809	0° 4810
8	f	02	021	179° 37'	46° 44'	"	46° 44'	0° 16'	46° 43'	"	1° 0622	1° 0623
9	x	10	101	75° 24'	37° 49'	36° 55'	11° 04'	36° 24'	8° 53'	0° 7514	0° 1956	0° 7704
10	p	11	111	117° 10'	40° 11'	36° 55'	21° 05'	35° 02'	17° 08'	0° 7514	0° 3857	0° 8440
11	n	12	121	28° 57'	57° 12'	"	53° 38'	24° 00'	47° 21'	"	1° 3583	1° 5523
12	o	11	111	51° 04'	43° 28'	36° 24'	30° 46'	32° 21'	25° 30'	0° 7375	0° 5955	0° 9479

Amblygonit.

Triklin.

$p_0 = 1.0270$	$\lambda = 67^\circ 38'$	$a = 0.7334$	$\alpha = 108^\circ 51'$	$x_0 = 0.1255$	$d = 0.4006$
$q_0 = 0.7885$	$\mu = 75^\circ 30'$	$b = 1$	$\beta = 97^\circ 48'$	$y_0 = 0.3804$	$\delta = 18^\circ 16'$
$r_0 = 1$	$\nu = 69^\circ 35'$	$c = 0.7633$	$\gamma = 106^\circ 27'$	$h = 0.9162$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
1	c	o	001	$18^\circ 16'$	$23^\circ 37'$	$7^\circ 48'$	$22^\circ 33'$	$7^\circ 12'$	$22^\circ 21'$	0.1370	0.4152	0.4372
2	a	$\infty 0$	100	$69^\circ 35'$	$90^\circ 00'$	$90^\circ 00'$	$90^\circ 00'$	$69^\circ 35'$	$20^\circ 25'$	2.6865	∞	∞
3	m	∞	110	$40^\circ 00'$	"	"	"	$40^\circ 00'$	$49^\circ 59'$	0.8789	"	"
4	M	$\infty \infty$	110	$114^\circ 05'$	"	"	$90^\circ 00'$	$65^\circ 54'$	$34^\circ 05'$	3.2368	"	"
5	z	$\infty 2$	120	$141^\circ 41'$	"	"	"	$38^\circ 18'$	$51^\circ 41'$	0.7899	"	"
6	e	02	021	$174^\circ 00'$	$52^\circ 42'$	$7^\circ 48'$	$52^\circ 32'$	$4^\circ 46'$	$52^\circ 17'$	0.1370	1.3053	1.3125
7	l	10	101	$55^\circ 49'$	$55^\circ 08'$	$49^\circ 54'$	$38^\circ 52'$	$42^\circ 45'$	$27^\circ 26'$	1.1874	0.8061	1.4352
8	h	10	101	$88^\circ 29'$	$42^\circ 25'$	$42^\circ 25'$	$1^\circ 23'$	$42^\circ 24'$	$1^\circ 01'$	0.9135	0.0242	0.9138

Amphibol.

Monoklin.

$a = 0.5482$	$\lg a = 973894$	$\lg a_0 = 027104$	$\lg p_0 = 972896$	$a_0 = 1.8666$	$p_0 = 0.5357$
$c = 0.2937$	$\lg c = 946790$	$\lg b_0 = 053210$	$\lg q_0 = 945291$	$b_0 = 3.4049$	$q_0 = 0.2837$
$\mu = \frac{1}{180} \beta = 75^\circ 02'$	$\lg h = \frac{1}{998501}$ $\lg \sin \mu$	$\lg e = \frac{1}{941205}$ $\lg \cos \mu$	$\lg \frac{p_0}{q_0} = 027605$	$h = 0.9661$	$e = 0.2583$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
1	c	o	001	$90^\circ 00'$	$14^\circ 58'$	$14^\circ 58'$	$0^\circ 00'$	$14^\circ 58'$	$0^\circ 00'$	0.2673	0	0
2	b	0∞	010	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	0	∞	∞
3	a	$\infty 0$	100	$90^\circ 00'$	"	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	∞	0	"
4	n	3∞	310	$79^\circ 59'$	"	"	$90^\circ 00'$	$79^\circ 59'$	$10^\circ 00'$	5.6646	∞	"
5	q	2∞	210	$75^\circ 10'$	"	"	"	$75^\circ 10'$	$14^\circ 50'$	3.7764	"	"
6	d	4∞	430	$68^\circ 20'$	"	"	"	$68^\circ 20'$	$21^\circ 40'$	2.5176	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' =tg ϱ
7	m	∞	110	62° 05'	90° 00'	90° 00'	90° 00'	62° 05'	27° 54'	1'8882	∞	∞
8	e	$\infty 3$	130	32 11	"	"	"	32 11	57 49	0'6294	"	"
9	x	$\infty 5$	150	20 41'	"	"	"	20 41'	69 18'	0'3776	"	"
10	Y	$\infty 7$	170	15 06	"	"	"	15 06	74 54	0'2697	"	"
11	d	01	011	42 18'	21 39'	14 58'	16 22	14 23	15 50'	0'2673	0'2937	0'3971
12	z	02	021	24 28	32 50	"	30 26	12 59	29 34'	"	0'5874	0'6454
13	u	03	031	16 53	42 38	"	41 23	11 20'	40 24'	"	0'8811	0'9207
14	s	04	041	12 49	50 18'	"	49 36	9 50	48 37'	"	1'1748	1'2048
15	f	+20	201	90 00	54 00	54 00	0 00	54 00	0 00	1'3765	0	1'3765
16	l	+10	101	"	39 25	39 25	"	39 25	"	0'8219	"	0'8219
17	h	+20	203	"	32 29'	32 29'	"	32 29'	"	0'6369	"	0'6369
18	w	-10	101	90 00	16 01'	16 01'	"	16 01'	"	0'2872	"	0'2872
19	t	-20	201	"	40 05'	40 05'	"	40 05'	"	0'8417	"	0'8417
20	k	+1	111	70 20	41 07'	39 26'	16 22	38 15'	12 47'	0'8219	0'2937	0'8728
21	p	+1/2	112	74 54'	29 25'	28 34'	8 21	28 19'	7 21'	0'5447	0'1468	0'5641
22	r	-1	111	44 21'	22 20	16 01'	16 22	15 24'	15 46'	0'2872	0'2937	0'4108
23	o	-2	221	55 05'	45 45	40 05'	30 26	35 58'	24 12'	0'8418	0'5874	1'0264
24	y	+1'10	1'10'1	15 38	71 51	39 26'	71 12	14 50'	66 13	0'8219	2'9370	3'0497
25	g	+15	151	29 14	59 17	"	55 45	24 49'	48 36'	"	1'4685	1'6828
26	v	+13	131	43 00'	50 18'	"	41 23	31 39'	34 14'	"	0'8811	1'2050
27	P	+12	121	54 27	45 17'	"	30 26	35 19'	24 24'	"	0'5874	1'0102
28	i	-13	131	18 03	42 49'	16 01'	41 23	12 09'	40 15'	0'2774	0'8811	0'9267
29	q	-15	151	11 04	56 14'	"	55 45	9 11	54 41'	"	1'4685	1'4963
30	a	-2 1/2	312	75 25	30 15'	29 26'	8 21	29 11'	7 17'	0'5453	0'1468	0'5833
31	β	+1 1/2	132	51 02	35 00'	28 34'	23 46'	26 29'	21 09'	0'5447	0'4405	0'7005

Analcim.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
		∞	010	0° 00'	90 00	"	90 00	"	90 00	"	∞	∞
2	e	0 1/2	012	"	26 34	"	26 34	"	26 34	"	0'5000	0'5000
		02	021	"	63 26	"	63 26	"	63 26	"	2'0000	2'0000
		$\infty 2$	120	26 34	90 00	90 00	90 00	26 34	"	0'5000	∞	∞
3	d	01	011	0 00	45 00	0 00	45 00	0 00	45 00	0	1'0000	1'0000
		∞	110	45 00	90 00	90 00	90 00	45 00	"	1'0000	∞	∞
4	q	1/2	112	"	35 16	26 34	26 34	24 05'	24 05'	0'5000	0'5000	0'7071
		12	121	26 34	65 54'	45 00	63 26	"	54 44	1'0000	2'0000	2'2360
5	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
6	w	2 1/3	233	33 41'	50 14'	33 41'	"	25 14'	39 45'	0'6667	"	1'2019
		3/2	332	45 00	64 45'	56 18'	56 18'	39 45'	"	1'5000	1'5000	2'1213

Anatas.

Tetragonal.

$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 1.7771$	$lg c = 0.24971$	$lg a_o = 9.75029$	$a_o = 0.5627$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	χ (Prismen) (x : y)	y	d = tge
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	o ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	45 00	"	90 00	"	45 00	45 00	1'0000	"	"
4	o	o $\frac{1}{2}$	017	0 00	14 14'	0 00	14 14'	0 00	14 14'	o	0'2538	0'2538
5	u	o $\frac{1}{3}$	015	"	19 34	"	19 34	"	19 34	"	0'3554	0'3554
6	u _I	o $\frac{2}{3}$	0'5'19	"	25 04	"	25 04	"	25 04	"	0'4676	0'4676
7	x	o $\frac{1}{3}$	013	"	30 38'	"	30 38'	"	30 38'	"	0'5923	0'5923
8	e	01	011	"	60 38	"	60 38	"	60 38	"	1'7771	1'7771
9	q	02	021	"	74 17	"	74 17	"	74 17	"	3'5541	3'5541
10	d	03	031	"	79 22'	"	79 22'	"	79 22'	"	5'3312	5'3312
11	γ	o $\frac{3}{2}$	092	"	82 52'	"	82 52'	"	82 52'	"	7'9968	7'9968
12	G	o $\frac{1}{2}$	0'13'2	"	85 03	"	85 03	"	85 03	"	11'5510	11'5510
13	g	07	071	"	85 24'	"	85 24'	"	85 24'	"	12'4397	12'4397
14	E	08	081	"	85 58'	"	85 58'	"	85 58'	"	14'2167	14'2167
15	ϱ	$\frac{1}{2}$	1'1'40	45 00	3 35'	2 32'	2 32'	2 32'	2 32'	0'0444	0'0444	0'0628
16	ρ	$\frac{1}{2}$	1'1'28	"	5 07'	3 38	3 38	3 37'	3 37'	0'0634	0'0634	0'0897
17	μ	$\frac{1}{2}$	1'1'14	"	10 10'	7 14	7 14	7 10'	7 10'	0'1269	0'1269	0'1795
18	l	$\frac{1}{2}$	1'1'10	"	14 06'	10 04'	10 04'	9 55'	9 55'	0'1777	0'1777	0'2513
19	a	$\frac{1}{3}$	119	"	15 36	11 10	11 10	10 57'	10 57'	0'1974	0'1974	0'2792
20	π	$\frac{1}{3}$	118	"	17 26'	12 31'	12 31'	12 14	12 14	0'2221	0'2221	0'3141
21	v	$\frac{1}{2}$	117	"	19 44'	14 14'	14 14'	13 49	13 49	0'2538	0'2538	0'3589
22	V	$\frac{2}{3}$	3'3'20	"	20 39'	14 55'	14 55'	14 26'	14 26'	0'2665	0'2665	0'3770
23	i	$\frac{1}{6}$	116	"	22 43'	16 30	16 30	15 51	15 51	0'2962	0'2962	0'4189
24	r	$\frac{1}{2}$	115	"	26 41	19 34	19 34	18 31	18 31	0.3554	0'3554	0'5026
25	f	$\frac{1}{2}$	114	"	32 08'	23 57	23 57	22 06	22 06	0'4442	0'4442	0'6283
26	F	$\frac{2}{3}$	5'5'19	"	33 28'	25 04	25 04	22 57'	22 57'	0'4676	0'4676	0'6614
27	n	$\frac{2}{3}$	227	"	35 41	26 55	26 55	24 21'	24 21'	0'5077	0'5077	0'7180
28	z	$\frac{1}{3}$	113	"	39 57	30 38'	30 38'	27 00'	27 00'	0'5923	0'5923	0'8377
29	ψ	$\frac{1}{3}$	225	"	45 09	35 24'	35 24'	30 05	30 05	0'7108	0'7108	1'0052
30	Ψ	$\frac{2}{3}$	5'5'12	"	46 19	36 31	36 31	30 45'	30 45'	0'7404	0'7404	1'0471
31	χ	$\frac{2}{3}$	337	"	47 07'	37 17'	37 17'	31 12'	31 12'	0'7616	0'7616	1'0770
32	X	$\frac{2}{3}$	5'5'11	"	48 48	38 56	38 56	32 08'	32 08'	0'8078	0'8078	1'1423
33	k	$\frac{1}{2}$	112	"	51 29	41 37'	41 37'	33 35	33 35	0'8885	0'8885	1'2566
34	e	$\frac{2}{3}$	335	"	56 27	46 50	46 50	36 06'	36 06'	1'0662	1'0662	1'5079
35	η	$\frac{2}{3}$	223	"	59 10	49 50	49 50	37 23	37 23	1'1847	1'1847	1'6754

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg \varrho$
36	p	1	111	45°00	68°18	60°38	60°38	41°04	41°04	1'7771	1'7771	2'5132
37	p	$\frac{1}{2}$	15'15'8	"	78 01	73 17	73 17	43 46	43 46	3'3320	3'3320	4'7121
38	w	2	221	"	78 45	74 17	74 17	43 54	43 54	3'5541	3'5541	5'0263
39	δ	3	331	"	82 26	79 22	79 22	44 30	44 30	5'3312	5'3312	7'5395
40	r	$\frac{1}{3}$	133	18 26	61 54	30 38	60 38	16 12	56 49	0'5923	1'7771	1'8732
41	2y	$\frac{1}{3}$	4'9'12	23 57	55 34	"	53 07	19 34	48 54	"	1'3328	1'4585
42	β	$\frac{1}{3}$	256	21 48	57 55	"	55 58	18 20	51 52	"	1'4809	1'5050
43	h	$\frac{1}{3}$	153	11 18	71 41	"	71 20	10 44	68 34	"	2'9618	3'0204
44	t	$\frac{1}{3}$	1'21'3	2 43	85 24	"	85 24	2 43	84 39	"	12'440	12'454
45	η	$\frac{1}{3}$	139	18 26	31 59	11 10	30 38	9 38	30 10	0'1974	0'5923	0'6244
46	H	$\frac{1}{3}$	9'13'39	34 41	35 46	22 18	"	19 26	28 43	0'4101	"	0'7205
47	σ	$\frac{1}{3}$	1'2'10	26 34	21 40	10 04	19 34	9 30	19 17	0'1777	0'3554	0'3974
48	b	$\frac{2}{3}$	2'18'3	6 20	84 40	49 50	84 38	6 19	81 44	1'1847	10'662	10'7280
49	ω	$\frac{2}{3}$	4'39'6	5 51	85 04	"	85 03	5 50	82 22	"	11'551	11'6117
50	ϑ	$\frac{2}{3}$	352	30 58	79 04	69 26	77 19	30 20	57 21	2'6656	4'4430	5'1812
51	B	$\frac{3}{4}$	3'17'2	10 00	86 16	"	86 12	9 59	79 19	"	15'105	15'330
52	C	$\frac{3}{4}$	3'5'20	30 58	27 23	14 55	23 57	13 41	23 14	0'2666	0'4443	0'5181
53	D	$\frac{3}{4}$	1'11'4	5 11	78 29	23 57	78 26	5 05	77 23	0'4443	4'8870	4'9070
54	s	$\frac{1}{4}$	1'5'19	11 18	25 30	5 20	25 04	4 50	24 58	0'0935	0'4677	0'4760

Andalusit.

Rhombisch.

a = 0'9861	lg a = 999392	lg a ₀ = 014727	lg p ₀ = 985273	a ₀ = 1'4033	p ₀ = 0'7124
c = 0'7025	lg c = 984665	lg b ₀ = 015335	lg q ₀ = 984665	b ₀ = 1'4235	q ₀ = 0'7025

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	0∞	010	0°00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	l	2∞	210	63 45	"	"	90 00	63 45	26 14	2'0282	∞	"
5	i	$\frac{3}{2}$ ∞	320	56 41	"	"	"	56 41	33 19	1'5211	"	"
6	m	∞	110	45 24	"	"	"	45 24	44 36	1'0141	"	"
7	n	∞2	120	26 53	"	"	"	26 53	63 07	0'5070	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d —tg ϱ
8	t	$0\frac{1}{3}$	013	0° 00	13° 11	0° 00	13° 11	0° 00	13° 11	0	0'2342	0'2342
9	s	01	011	"	35 05	"	35 05	"	35 05	"	0'7025	0'7025
10	v	$0\frac{5}{4}$	054	"	41 17	"	41 17	"	41 17	"	0'8781	0'8781
11	u	$0\frac{3}{2}$	032	"	46 30	"	46 30	"	46 30	"	1'0538	1'0538
12	r	03	031	"	64 37	"	64 37	"	64 37	"	2'1075	2'1075
13	r	10	101	90 00	35 29	35 29	0 00	35 29	0 00	0'7124	0	0'7124
14	x	$\frac{1}{2}$	112	45 24	26 34	19 36	19 21	18 34	18 18	0'3562	0'3512	0'5003
15	p	1	111	"	45 01	35 28	35 05	30 14	29 46	0'7124	0'7025	1'0005
16	k	12	121	26 53	57 35	"	54 33	22 26	48 51	"	1'4050	1'5753

Andorit.

Rhombisch.

a = 0'9776	lg a = 999016	lg a ₀ = 005064	lg p ₀ = 994936	a ₀ = 1'1237	p ₀ = 0.8899
c = 0'8700	lg c = 993952	lg b ₀ = 006048	lg q ₀ = 993952	b ₀ = 1'1495	q ₀ = 0'8700

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	0∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	$\infty 0$	100	90 00	0 00	90 00	0 00	90 00	0 00	∞	"	"
3	n	2∞	210	63 57	90 00	"	90 00	63 57	26 03	2'0458	"	"
4	t	$\frac{4}{3}\infty$	430	53 45	"	"	"	53 45	36 15	1'3639	"	"
5	m	$\infty \frac{3}{2}$	110	45 39	"	"	"	45 39	44 21	1'0229	"	"
6	l	$\infty \frac{3}{4}$	230	34 17	"	"	"	34 17	55 42	0.6819	"	"
7	d	$\frac{1}{2}0$	102	90 00	23 59	23 59	0 00	23 59	0 00	0'4450	0	0'4450
8	o	10	101	"	41 40	41 40	"	41 40	"	0'8899	"	0'8899
9	v	$\frac{3}{2}0$	302	"	53 09	53 09	"	53 09	"	1'3352	"	1'3352
10	r	$1\frac{3}{4}$	434	53 45	47 49	41 40	33 07	36 42	25 59	0'8899	0'6525	1'1035
11	s	$1\frac{3}{2}$	232	34 17	57 40	"	52 32	28 25	44 16	"	1'3050	1'5796
12	q	$\frac{3}{4}0$	634	63 57	56 03	53 09	33 07	48 11	21 22	1'3352	0.6525	1'5858

Anglesit.

Rhombisch.

$a = 0.7852$	$\lg a = 989498$	$\lg a_0 = 978459$	$\lg p_0 = 021541$	$a_0 = 0.6089$	$p_0 = 1.6421$
$c = 1.2894$	$\lg c = 011039$	$\lg b_0 = 988961$	$\lg q_0 = 011039$	$b_0 = 0.7755$	$q_0 = 1.2894$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d = $\lg a$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	02	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	M	42	410	78° 53'	"	"	90° 00	78° 53'	11° 06'	5.0943	∞	"
5	N	32	310	75° 20'	"	"	"	75° 20'	14° 40'	3.8206	"	"
6	O	22	520	72° 34'	"	"	"	72° 34'	17° 26'	3.1839	"	"
7	λ	22	210	68° 34'	"	"	"	68° 34'	21° 26'	2.5471	"	"
8	P	22	740	65° 50'	"	"	"	65° 50'	24° 10'	2.2287	"	"
9	i	22	320	62° 22'	"	"	"	62° 22'	27° 38'	1.9103	"	"
10	Q	42	430	59° 30'	"	"	"	59° 30'	30° 29'	1.6981	"	"
11	R	42	10° 9' 0	54° 45'	"	"	"	54° 45'	35° 15'	1.4151	"	"
12	m	2	110	51° 51'	"	"	"	51° 51'	38° 08'	1.2736	"	"
13	S	210	9° 10' 0	48° 54'	"	"	"	48° 54'	41° 06'	1.1462	"	"
14	T	210	780	48° 06'	"	"	"	48° 06'	41° 54'	1.1143	"	"
15	U	210	790	44° 43'	"	"	"	44° 43'	45° 16'	0.9905	"	"
16	h	210	340	43° 41'	"	"	"	43° 41'	46° 19'	0.9552	"	"
17	δ	210	230	40° 20'	"	"	"	40° 20'	49° 40'	0.8490	"	"
18	V	210	580	38° 31'	"	"	"	38° 31'	51° 29'	0.7960	"	"
19	n	22	120	32° 29'	"	"	"	32° 29'	57° 30'	0.6368	"	"
20	κ	22	130	23° 00'	"	"	"	23° 00'	67° 00'	0.4245	"	"
21	W	22	270	20° 00'	"	"	"	20° 00'	70° 00'	0.3639	"	"
22	A	0 1/6	0° 1' 16	0° 00	4° 36'	0° 00	4° 36'	0° 00	4° 36'	0	0.0806	0.0806
23	a	0 1/8	018	"	9° 09'	"	9° 09'	"	9° 09'	"	0.1611	0.1611
24	j	0 1/7	0° 2' 11	"	13° 11'	"	13° 11'	"	13° 11'	"	0.2344	0.2344
25	B	0 1/3	029	"	15° 59'	"	15° 59'	"	15° 59'	"	0.2865	0.2865
26	v	0 1/4	013	"	23° 15'	"	23° 15'	"	23° 15'	"	0.4298	0.4298
27	q	0 1/2	012	"	32° 48'	"	32° 48'	"	32° 48'	"	0.6447	0.6447
28	x	0 2/3	035	"	37° 43'	"	37° 43'	"	37° 43'	"	0.7736	0.7736
29	o	01	011	"	52° 12'	"	52° 12'	"	52° 12'	"	1.2894	1.2894
30	θ	02	021	"	68° 48'	"	68° 48'	"	68° 48'	"	2.5788	2.5788
31	β	03	031	"	75° 30'	"	75° 30'	"	75° 30'	"	3.8682	3.8682
32	k	2 1/4	1° 0' 24	90° 00	3° 55'	3° 55'	0° 00	3° 55'	0° 00	0.0684	0	0.0684
33	E	2 1/2	1° 0' 22	"	4° 16'	4° 16'	"	4° 16'	"	0.0746	"	0.0746

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
34	F	$\frac{1}{3}0$	1'0'15	90°00	6°15	6°15	0°00	6°15	0°00	0'1095	0	0'1095
35	G	$\frac{1}{8}0$	108	"	11 36	11 36	"	11 36	"	0'2052	"	0'2052
36	H	$\frac{2}{3}0$	2'0'15	"	12 21	12 21	"	12 21	"	0'2189	"	0'2189
37	I	$\frac{1}{7}0$	107	"	13 12	13 12	"	13 12	"	0'2346	"	0'2346
38	K	$\frac{1}{6}0$	106	"	15 18	15 18	"	15 18	"	0'2737	"	0'2737
39	l	$\frac{1}{4}0$	104	"	22 19	22 19	"	22 19	"	0'4105	"	0'4105
40	e	$\frac{1}{3}0$	103	"	28 41	28 41	"	28 41	"	0'5474	"	0'5474
41	d	$\frac{1}{2}0$	102	"	39 23	39 23	"	39 23	"	0'8210	"	0'8210
42	θ	$\frac{1}{6}$	116	51 51	19 11	15 18	12 07	14 59	11 42	0'2737	0'2149	0'3480
43	f	$\frac{1}{4}$	114	"	27 34	22 19	17 52	21 20	16 36	0'4105	0'3223	0'5220
44	g	$\frac{1}{3}$	113	"	34 50	28 41	23 15	26 42	20 39	0'5474	0'4298	0'6960
45	r	$\frac{1}{2}$	112	"	46 14	39 23	32 48	34 36	26 29	0'8211	0'6447	1'0439
46	z	1	111	"	64 24	58 39	52 12	45 11	33 51	1'6418	1'2894	2'0878
47	r	2	221	"	76 32	73 04	68 48	49 54	36 55	2'5788	3'2843	4'1757
48	ξ	3	331	"	80 56	78 31	75 30	50 57	37 34	4'9264	3'8682	6'2636
49	Δ	4	441	"	83 10	81 20	79 01	51 20	37 49	6'5686	5'1576	8'3514
50	r	$1\frac{1}{2}$	212	68 34	60 27	58 39	32 48	54 04	18 32	1'6418	0'6447	1'7642
51	t	12	121	32 29	71 53	"	68 48	30 42	53 17	"	2'5788	3'0572
52	e	13	131	23 00	76 37	"	75 30	22 20	63 34	"	3'8682	4'2024
53	F	$1\frac{1}{2}1$	1'12'12	6 03	52 21	7 47	52 12	4 47	51 56	0'1368	1'2894	1'2966
54	q	$\frac{1}{6}1$	166	11 59	52 49	15 18	"	9 31	51 12	0'2737	"	1'3181
55	π	$\frac{1}{3}1$	155	14 17	53 04	18 11	"	11 23	50 46	0'3284	"	1'3306
56	χ	$\frac{1}{2}1$	144	17 40	53 32	22 19	"	14 07	50 01	0'4105	"	1'3532
57	ψ	$\frac{1}{3}1$	133	23 00	54 29	28 42	"	18 32	48 31	0'5474	"	1'4008
58	y	$\frac{1}{2}1$	122	32 29	56 48	39 23	"	26 43	44 54	0'8211	"	1'5286
59	i	$\frac{2}{3}1$	233	40 20	59 24	47 35	"	33 51	41 00	1'0948	"	1'6915
60	ω	$\frac{1}{2}1$	214	68 34	41 25	39 23	17 52	38 00	13 59	0'8211	0'3223	0'8821
61	s	$\frac{1}{2}2$	132	23 00	64 33	"	62 39	20 40	56 13	"	1'9341	2'1012
62	ζ	$\frac{1}{2}2$	142	17 39	69 43	"	68 48	16 32	63 21	"	2'5788	2'7064
63	J	$20\frac{1}{2}$	1'10'20	7 15	33 01	4 41	32 48	3 57	32 43	"	0'6447	0'6499
64	μ	$\frac{1}{4}2$	124	32 29	37 23	22 19	"	19 02	30 49	0'4105	"	0'7643
65	L	$\frac{1}{3}2$	236	40 20	40 13	28 41	"	24 42	29 29	0'5474	"	0'8457
66	p	$\frac{1}{4}2$	324	62 22	54 16	50 55	"	45 59	22 07	1'2316	"	1'3901
67	ϱ	$\frac{3}{2}2$	342	43 41	74 20	67 54	68 48	41 41	44 07	2'4632	2'5788	3'5670
68	γ	$\frac{1}{3}3$	123	32 29	45 32	28 41	40 41	22 32	37 01	0'5474	0'8596	1'0191
69	a	$\frac{1}{3}3$	143	17 39	61 00	"	59 49	15 23	56 27	"	1'7192	1'8042
70	b	$1\frac{1}{3}3$	1'11'13	6 36	47 41	7 12	47 29	4 52	47 16	0'1263	1'0910	1'0983
71	c	$\frac{1}{6}3$	126	32 29	27 00	15 18	23 15	14 07	22 31	0'2737	0'4298	0'5095
72	d	$\frac{2}{3}3$	562	46 42	79 57	76 18	75 30	45 46	42 28	4'1054	3'8682	5'6406
73	w	$\frac{1}{8}4$	128	32 29	20 55	11 36	17 52	11 03	17 31	0'2052	0'3223	0'3822
74	e	$\frac{4}{2}$	892	48 32	83 29	81 20	80 13	48 07	41 08	6'5686	5'8023	8'7644
75	f	$\frac{2}{4}$	782	48 06	82 37	80 08	79 01	47 34	41 29	5'7475	5'1576	7'7223

No.	Buch- staben	Symb.	Miller	q'	q	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg α
76	g	$5\frac{1}{2}$	10'11'2	49° 11'	84° 44'	83° 03'	81° 58'	48° 54'	40° 36'	8'2107	7'0917	10'849
77	h	$\frac{5}{6}$	561	46 42	84 56	"	82 38	46 28	43 05	"	7'7364	11'281
78	i	$\frac{2}{5}$	9'10'2	48 54	84 10'	82 17'	81 11	48 33'	40 51	7'3896	6'4470	9'8064
79	u	$\frac{1}{6}\frac{1}{3}$	146	17 39'	42 03'	15 18'	40 41	11 43'	39 39'	0'2737	0'8596	0'9021
80	f	$\frac{6}{7}$	671	47 30'	85 43	84 12'	83 40'	47 20	42 20'	9'8528	9'0258	13'302
81	m	$\frac{1}{2}\frac{1}{6}$	11'12'2	49 25	85 11'	83 41'	82 38	49 11	40 24'	9'0317	7'7364	11'802
82	u	$\frac{7}{8}$	781	48 06	86 17'	85 01'	84 28	47 58	41 48	11'4955	10'3150	15'445
83	o	$\frac{7}{10}$	7'10'1	41 43	86 41	"	85 34	41 38	48 10'	"	12'8940	17'274
84	p	$\frac{1}{8}\frac{1}{2}$	168	11 59	44 40'	11 36	44 02'	8 23'	43 27	0'2052	0'7681	0'9881
85	q	$\frac{8}{10}$	8'10'1	45 32	86 53'	85 39'	85 34	45 27	44 23	13'1370	12'8940	18'408
86	t	$\frac{4}{5}\frac{1}{5}$	435	59 30'	56 44'	52 43'	37 43'	46 06	25 06'	1'3137	0'7736	1'524
87	r	$\frac{2}{5}\frac{1}{5}$	295	15 48	67 29	33 18	66 41'	14 34	62 43'	0'6568	2'3209	2'4120
88	f	$\frac{7}{2}\frac{2}{2}$	792	38 57'	82 22'	77 58	80 13'	38 33	50 25	4'6918	5'8023	7'4015

Anhydrit.

Rhombisch.

a = 0'8932	lga = 995095	lga ₀ = 995061	lg p ₀ = 004939	a ₀ = 0'8925	p ₀ = 1'1204
c = 1'0008	lg c = 000034	lg b ₀ = 999966	lg q ₀ = 000034	b ₀ = 0'9992	q ₀ = 1'0008

No.	Buch- staben	Symb.	Miller	q'	q	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg α
1	a	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	c	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	d	$0\frac{1}{2}$	012	0 00	26 35	0 00	26 35	0 00	26 35	0	0'5004	0'5004
5	?a	$0\frac{2}{3}$	023	"	33 42'	"	33 42'	"	33 42'	"	0'6672	0'6672
6	r	$0\frac{4}{5}$	045	"	38 41	"	38 41	"	38 41	"	0'8006	0'8006
7	s	01	011	"	45 01'	"	45 01'	"	45 01'	"	1'0008	1'0008
8	μ	$0\frac{3}{5}$	053	"	59 03'	"	59 03'	"	59 03'	"	1'6680	1'6680
9	?q	02	021	"	63 27	"	63 27	"	63 27	"	2'0016	2'0016
10	σ	03	031	"	71 34'	"	71 34	"	71 34	"	3'0023	3'0023
11	w	$\frac{1}{3}0$	105	90 00	12 38	12 38	0 00	12 38	0 00	0'2241	0	0'2241
12	t	$\frac{1}{4}0$	104	"	15 39	15 39	"	15 39	"	0'2801	"	0'2801

N ^o .	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
13	v	$\frac{1}{2}0$	103	90° 00	20° 29	20° 29	0° 00	20° 29	0° 00	0'3735	0	0'3735
14	c	$\frac{2}{3}0$	205	"	24 08	24 08	"	24 08	"	0'4482	"	0'4482
15	u	$\frac{1}{2}0$	102	"	29 15	29 15	"	29 15	"	0'5602	"	0'5602
16	β	$\frac{5}{6}0$	509	"	31 54	31 54	"	31 54	"	0'6224	"	0'6224
17	g	$\frac{3}{4}0$	305	"	33 54	33 54	"	33 54	"	0'6722	"	0'6722
18	q	$\frac{1}{2}0$	203	"	36 45	36 45	"	36 45	"	0'7469	"	0'7469
19	x	$\frac{3}{2}0$	304	"	40 02	40 02	"	40 02	"	0'8403	"	0'8403
20	l	$\frac{4}{3}0$	405	"	41 52	41 52	"	41 52	"	0'8963	"	0'8963
21	r	10	101	"	48 15	48 15	"	48 15	"	1'1204	"	1'1204
22	k	$\frac{4}{3}0$	403	"	56 12	56 12	"	56 12	"	1'4939	"	1'4939
23	γ	$\frac{5}{3}0$	503	"	61 50	61 50	"	61 50	"	1'8674	"	1'8674
24	i	20	201	"	65 57	65 57	"	65 57	"	2'2409	"	2'2409
25	h	$\frac{5}{2}0$	502	"	70 21	70 21	"	70 21	"	2'8012	"	2'8012
26	o	1	111	48 13	56 21	48 15	45 01	38 22	33 41	1'1204	1'0008	1'5023
27	n	12	121	29 14	66 27	"	63 27	26 36	53 07	"	2'0016	2'2938
28	f	13	131	20 28	72 40	"	71 34	19 30	63 26	"	3'0024	3'2046

Annerödit.

Rhombisch.

a = 0'4037	lg a = 960606	lg a ₀ = 004855	lg p ₀ = 995145	a ₀ = 1'1183	p ₀ = 0'8942
c = 0'3610	lg c = 955751	lg b ₀ = 044249	lg q ₀ = 955751	b ₀ = 2'7701	q ₀ = 0'3610

N ^o .	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	g	∞	110	68 01	"	"	90 00	68 01	21 59	2'4770	∞	"
5	m	$\infty 3$	130	39 33	"	"	"	39 33	50 27	0'8257	"	"
6	z	$\infty 5$	150	26 21	"	"	"	26 21	63 38	0'4954	"	"
7	l	0 $\frac{1}{2}$	012	0 00	10 14	0 00	10 14	0 00	10 14	0	0'1805	0'1805
8	k	01	011	"	19 51	"	19 51	"	19 51	"	0'3610	0'3610
9	e	20	201	90 00	60 47	60 47	0 00	60 47	0 00	1'7884	0	1'7884
10	u	1	111	68 01	43 57	41 48	19 51	40 04	15 03	0'8942	0'3610	0'9643
11	s	2	221	"	62 35	60 47	35 49	55 24	19 24	1'7884	0'7220	1'9287
12	β	12	121	51 05	48 58	41 48	"	35 56	28 17	0'8942	"	1'1493
13	o	13	131	39 33	54 33	41 48	47 17	31 14	38 55	0'8942	1'0830	1'4044
14	n	21	211	78 35	61 16	60 47	19 51	59 16	9 59	1'7884	0'3610	1'8245

Antimon.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 1.3236$	$\lg c = 0.12176$	$\lg a_0 = 0.11680$	$\lg p_0 = 9.94567$	$a_0 = 1.3086$	$p_0 = 0.8824$	(G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	∞0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	r	$\begin{smallmatrix} +1 \\ -\frac{1}{2} \end{smallmatrix}$	1011	30 00	56 48	37 23	52 56	24 44	46 26	0.7642	1.3236	1.5284
4	z	$\begin{smallmatrix} +1 \\ -\frac{1}{2} \end{smallmatrix}$	1124	"	20 54	10 49	18 18	10 17	18 00	0.1910	0.3309	0.3821
5	e	$-\frac{1}{2}$	1122	"	37 23	20 54	33 30	17 40	31 43	0.3821	0.6618	0.7642
6	s	—2	2241	"	71 53	56 48	69 18	28 22	55 24	1.5284	2.6472	3.0567
7	x	$-\frac{7}{8}$	7188	6 35	39 47	5 27	39 36	4 12	29 28	0.0955	0.8273	0.8328

Antimonblende.

Rhomboisch.

$a = 1.3212$	$\lg a = 0.12098$	$\lg a_0 = 0.18983$	$\lg p_0 = 9.81017$	$a_0 = 1.5482$	$p_0 = 0.6459$
$c = 0.8534$	$\lg c = 9.93115$	$\lg b_0 = 0.06885$	$\lg q_0 = 9.93115$	$b_0 = 1.1718$	$q_0 = 0.8534$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	p	∞0	100	90° 00	90° 00	90° 00	0° 00	90° 00	0° 00	∞	0	∞
2	δ	$\frac{1}{2}0$	104	"	9° 10'	9 10'	"	9 10'	"	0.1615	"	0.1615
3	u	$\frac{1}{3}0$	103	"	12 09	12 09	"	12 09	"	0.2153	"	0.2153
4	s	$\frac{1}{2}0$	102	"	17 54	17 54	"	17 54	"	0.3229	"	0.3229
5	λ	$\frac{2}{3}0$	203	"	23 18	23 18	"	23 18	"	0.4306	"	0.4306
6	ω	$\frac{3}{4}0$	304	"	25 51	25 51	"	25 51	"	0.4844	"	0.4844
7	ρ	$\frac{5}{3}0$	503	"	47 06	47 06	"	47 06	"	1.0765	"	1.0765
8	o	$\frac{2}{3}0$	201	"	52 15	52 15	"	52 15	"	1.2918	"	1.2918
9	σ	$\frac{7}{3}0$	703	"	56 26	56 26	"	56 26	"	1.5071	"	1.5071
10	Σ	1	111	37 07	46 56	32 51	40 28	26 10	35 38	0.6459	0.8534	1.0703
11	Θ	13	131	14 09	69 15	"	68 40	13 13	65 03	"	2.5602	2.6404
12	Δ	23	231	26 46	70 46	52 15	"	25 10	57 27	1.2918	"	2.8675

Antimonglanz.

Rhombisch.

a = 0.9926	lg a = 999677	lg a ₀ = 998906	lg p ₀ = 001094	a ₀ = 0.9751	p ₀ = 1.0253
c = 1.0179	lg c = 000771	lg b ₀ = 999229	lg q ₀ = 000771	b ₀ = 0.9824	q ₀ = 1.0179

No.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ρ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	00	010	0° 00	90 00	"	90 00	"	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	h	3∞	310	71 41'	90 00	"	90 00	71 41'	18 18'	3.0928	∞	"
5	n	2∞	210	63 36'	"	"	"	63 36'	26 23'	2.0149	"	"
6	i	½∞	320	56 30'	"	"	"	56 30'	33 29'	1.5000	"	"
7	k	¼∞	430	53 20	"	"	"	53 20	36 40	1.3433	"	"
8	m	∞	110	45 13	"	"	"	45 13	44 47	1.0075	"	"
9	x	∞½	560	40 01	"	"	"	40 01	49 59	0.8395	"	"
10	r	∞¼	340	37 04'	"	"	"	37 04'	52 55'	0.7556	"	"
11	d	∞⅓	230	33 53	"	"	"	33 53	56 07	0.6716	"	"
12	l	∞⅔	350	31 09	"	"	"	31 09	58 51	0.6185	"	"
13	o	∞2	120	26 44	"	"	"	26 44	63 16	0.5037	"	"
14	z	∞⅔	250	21 57	"	"	"	21 57	68 03	0.4030	"	"
15	q	∞3	130	18 34	"	"	"	18 34	71 26	0.3358	"	"
16	i	∞4	140	14 08	"	"	"	14 08	75 52	0.2518	"	"
17	t	∞5	150	11 23'	"	"	"	11 23'	78 36'	0.2014	"	"
18	θ	∞6	160	9 06'	"	"	"	9 06'	80 53'	0.1679	"	"
19	θ	∞7	170	8 11'	"	"	"	8 11'	81 48'	0.1433	"	"
20	γ	0½	013	0 00	18 44'	0 00	18 44'	0 00	18 44'	0	0.3393	0.3393
21	x	0½	012	"	26 58'	"	26 58'	"	26 58'	"	0.5089	0.5089
22	N	0⅓	023	"	34 09'	"	34 09'	"	34 09'	"	0.6786	0.6786
23	u	01	011	"	45 30'	"	45 30'	"	45 30'	"	1.0179	1.0179
24	Q	0¼	043	"	53 37	"	53 37	"	53 37	"	1.3572	1.3572
25	I	0⅓	053	"	59 59	"	59 59	"	59 59	"	1.6965	1.6965
26	II	02	021	"	63 50'	"	63 50'	"	63 50'	"	2.0358	2.0358
27	j	03	031	"	71 52	"	71 52	"	71 52	"	3.0537	3.0537
28	Y	04	041	"	76 12	"	76 12	"	76 12	"	4.0716	4.0716
29	g	0½	092	"	77 41	"	77 41	"	77 41	"	4.5805	4.5805
30	R	½0	106	90 00	9 42	9 42	0 00	9 42	0 00	0.1709	0	0.1709
31	L	⅓0	103	"	18 52'	18 52'	"	18 52'	"	0.3418	"	0.3418
32	y	¼0	102	"	27 09	27 09	"	27 09	"	0.5127	"	0.5127
33	Σ	⅔0	203	"	34 21'	34 21'	"	34 21'	"	0.6836	"	0.6836
34	z	10	101	"	45 43'	45 43'	"	45 43'	"	1.0255	"	1.0255
35	Φ	90	901	"	83 49	83 49	"	83 49	"	9.2296	"	9.2296
36	w	13	131	18 34	72 45	45 43'	71 52	17 42	64 52'	1.0255	3.0537	3.2213

No.	Buch- staben	Symb.	Miller	q	ρ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d = t _{xy}
37	r	12	121	26° 44'	66° 19'	45 43'	63° 50'	24° 20'	54° 52'	1'0255	2'0358	2'2705
38	η	1 $\frac{3}{4}$	353	31 09	63 14	"	59 29	27 30	49 49	"	1'6965	1'0824
39	τ	1 $\frac{4}{3}$	343	37 04	59 33	"	53 37	31 18	43 27	"	1'3572	1'7011
40	β	1 $\frac{7}{6}$	676	40 48	57 29	"	49 54	33 27	39 39	"	1'1876	1'5601
41	p	1	111	45 13	55 19	"	45 30	35 42	35 24	"	1'0179	1'4440
42	ε	1 $\frac{7}{8}$	878	49 01	53 38	"	41 41	37 26	31 52	"	0'8907	1'3583
43	Z	1 $\frac{5}{6}$	656	50 24	53 05	"	40 18	38 01	30 38	"	0'8482	1'3300
44	α	1 $\frac{3}{4}$	434	53 20	51 58	"	37 21	39 11	28 03	"	0'7634	1'2785
45	Δ	1 $\frac{2}{3}$	323	56 30	50 53	"	34 09	40 19	25 21	"	0'6786	1'2207
46	λ	1 $\frac{1}{2}$	313	71 41	47 12	"	18 44	44 09	13 19	"	0'3393	1'0802
47	ξ	3	331	45 13	77 00	71 59	71 52	43 45	43 21	3'0765	3'0537	4'3347
48	η	1 $\frac{0}{10}$	9'9'10	"	52 26	42 42	42 29	34 14	33 57	0'9229	0'9161	1'3004
49	ι	$\frac{4}{3}$	445	"	49 08	39 22	39 09	32 28	32 11	0'8204	0'8143	1'1550
50	ζ	$\frac{3}{2}$	223	"	43 55	34 21	34 09	29 30	29 15	0'6836	0'6786	0'9633
51	π	$\frac{1}{2}$	112	"	35 51	27 09	26 58	24 33	24 22	0'5127	0'5089	0'7225
52	s	$\frac{1}{3}$	113	"	25 43	18 52	18 44	17 56	17 48	0'3418	0'3393	0'4816
53	v	$\frac{2}{3}$	227	"	22 26	16 20	16 13	15 43	15 35	0'2930	0'2908	0'4128
54	f	1 $\frac{5}{9}$	5'5'19	"	20 49	15 06	14 59	14 36	14 30	0'2698	0'2678	0'3802
55	μ	$\frac{1}{4}$	114	"	19 51	14 23	14 16	13 57	13 51	0'2563	0'2544	0'3612
56	g	1 $\frac{3}{4}$	3'3'13	"	18 26	13 19	13 13	12 58	12 52	0'2366	0'2349	0'3334
57	h	1 $\frac{3}{7}$	3'3'17	"	14 18	10 15	10 11	10 06	10 01	0'1809	0'1796	0'2550
58	G	$\frac{1}{4}$	144	14 08	46 23	14 23	45 30	10 11	44 36	0'2563	1'0179	1'0497
59	t	$\frac{1}{4}$	133	18 34	47 02	18 52	"	13 28	43 55	0'3418	"	1'0738
60	H	$\frac{2}{3}$	255	21 57	47 39	22 18	"	16 02	43 17	0'4102	"	1'0075
61	K	$\frac{2}{3}$	233	33 53	50 48	34 21	"	25 36	40 02	0'6836	"	1'2262
62	u	21	211	63 36	66 24	64 00	"	55 10	24 02	2'0510	"	2'2807
63	σ	$\frac{2}{3}$	213	"	37 21	34 21	18 44	32 55	15 39	0'6836	0'3393	0'7632
64	f	$\frac{1}{2}$	214	"	29 47	27 09	14 16	26 25	12 45	0'5127	0'2544	0'5724
65	A	$\frac{3}{6}$	361	26 44	81 41	71 59	80 42	26 26	62 05	3'0765	6'1074	6'8387
66	m	$\frac{5}{3}$	5'10'3	"	75 15	59 40	73 35	25 47	59 44	1'7092	3'3931	3'7002
67	u	$\frac{2}{3}$	243	"	56 39	34 21	53 37	22 04	48 15	0'6836	1'3572	1'5107
68	e	$\frac{1}{3}$	123	"	37 13	18 52	34 09	15 47	32 42	0'3418	0'6786	0'7508
69	f	$\frac{2}{3}$	263	18 34	65 02	34 21	63 50	16 46	59 15	0'6836	2'0358	2'1479
70	T	52	521	68 20	79 43	78 58	"	66 08	21 17	5'1276	"	5'5169
71	b	$\frac{2}{3}$	629	71 41	35 45	34 21	12 45	33 42	10 34	0'6836	0'2262	0'7201
72	M	$\frac{4}{3}$	413	76 04	54 38	53 49	18 44	52 19	11 19	1'3673	0'3393	1'4088
73	V	10'10	10'30'9	18 34	74 23	48 44	73 35	17 51	65 55	1'1395	3'3931	3'5703
74	X	43	431	53 20	78 56	76 18	71 52	51 55	35 52	4'1020	3'0537	5'1139
75	ψ	$\frac{8}{9}$	829	76 04	43 12	42 21	12 45	41 38	9 29	0'9116	0'2262	0'9302
76	e	$\frac{2}{3}$	283	14 08	70 20	34 21	69 46	13 18	65 57	0'6836	2'7144	2'7002
77	q	$\frac{1}{3}$	143	"	54 27	18 52	53 37	11 27	52 05	0'3418	1'3572	1'3006
78	ψ	$\frac{1}{6}$	146	"	34 59	9 42	34 09	8 03	33 46	0'1709	0'6786	0'6008

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
79	i	$\frac{2}{3}4$	2'12'3	9° 32'	76° 23'	34° 21'	76° 12'	9° 15'	73° 26'	0'6836	4'0716	4'1287
80	g	$\frac{1}{3}5$	153	11 32'	59 59	18 52'	59 29	9 51	58 05	0'3418	1'6965	1'7306
81	E	$\frac{1}{3}5$	10'15'3	33 53	80 44	73 41'	78 53	33 23	55 01	3'4184	5'0895	6'1310
82	F	$\frac{1}{3}2$	346	37 04'	40 23	27 09	34 09'	22 59'	31 07'	0'5127	0'6786	0'8506
83	w	$\frac{1}{3}2$	523	68 21	61 28	59 40	"	54 44	18 55	1'7092	"	1'8390
84	W	$\frac{2}{3}10$	20'30'9	33 53	76 15	66 18'	73 35	32 47'	53 44'	2'2790	3'3930	4'0874
85	D	$\frac{5}{3}20$	15'20'3	37 04'	83 17'	78 58	81 37	36 46'	52 24'	5'1275	6'7862	8'5066
86	d	$\frac{1}{3}12$	4'5'12	38 52	28 34'	18 52'	22 59	17 28	21 52	0'3418	0'4241	0'5447
87	a	$\frac{3}{3}10$	9'10'3	42 12	77 41	71 59'	73 35	41 01	46 22'	3'0765	3'3930	4'5801
88	b	$\frac{2}{3}3$	253	21 57	61 20	34 21'	59 29	19 08'	54 28	0'6836	1'6965	1'8291
89	c	$\frac{4}{3}3$	273	16 03'	67 58'	"	67 10	14 51'	62 58'	"	2'3751	2'4715
90	Q	$\frac{5}{3}8$	583	32 12	72 41	59 40	69 46'	30 34'	53 53'	1'7092	2'7144	3'2077
91	E	$\frac{5}{3}11$	5'11'3	24 36'	76 18'	"	75 00	23 51'	62 03	"	3'7323	4'1051
92	?F	$\frac{7}{3}4$	7'12'3	30 26'	78 02'	67 19	76 12	29 43	57 30	2'3929	4'0716	4'7227

Antimonsilber.

Rhombisch.

a = 0'5775	lg a = 976155	lg a ₀ = 993431	lg p ₀ = 006569	a ₀ = 0'8596	p ₀ = 1'1633
c = 0'6718	lg c = 982724	lg b ₀ = 017276	lg q ₀ = 982724	b ₀ = 1'4886	q ₀ = 0'6718

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	00	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	59 59	"	"	90 00	59 59	30 01	1'7316	∞	"
5	n	∞2	120	40 53	"	"	"	40 53	49 07	0'8658	"	"
6	q	∞3	130	29 59'	"	"	"	29 59'	60 00'	0'5772	"	"
7	r	∞5	150	19 06	"	"	"	19 06	70 54	0'3463	"	"
8	e	01	011	0 00	33 53'	0 00	33 53'	0 00	33 53'	0	0'6718	0'6718
9	p	02	021	"	53 20'	"	53 20'	"	53 20'	"	1'3436	1'3436
10	d	10	101	90 00	49 19	49 19	0 00	49 19	0 00	1'1633	0	1'1633
11	z	$\frac{1}{3}$	112	59 59'	33 53'	30 11	18 34	28 52'	16 11'	0'5816	0'3359	0'6717
12	y	$\frac{1}{3}$	111	"	53 20	33 53'	49 19	44 00	23 39	1'1633	0'6718	1'3433
13	x	$\frac{2}{3}$	332	"	63 36'	60 11	45 13	50 52	26 37	1'7449	1'0077	2'0150
14	s	$\frac{1}{3}1$	133	29 59'	37 48	21 11'	33 53'	17 50'	32 03'	0'3877	0'6718	0'7757

Apatit.

Hexagonal. Pyramidal-hemiedrisch.

$c = 1.2708$	$\lg c = 0.10408$	$\lg a_0 = 0.13448$	$\lg p_0 = 992799$	$a_0 = 1.3629$	$p_0 = 0.8472$	(G_1)
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N ^o .	Buch- staben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d -tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	$\infty 0$	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	h	2 ∞	2130	19 06'	"	"	"	19 06'	70 53'	0.3464	"	"
5	k	4 ∞	4150	10 53'	"	"	"	10 53'	79 06'	0.1924	"	"
6	r	$\frac{1}{2}0$	1016	0 00	8 02	0 00	8 02	0 00	8 02	0	0.1412	0.1412
7	σ	$\frac{1}{3}0$	1013	"	15 46	"	15 46	"	15 46	"	0.2824	0.2824
8	ζ	$\frac{1}{12}0$	5.0.5.12	"	19 26'	"	19 26'	"	19 26'	"	0.3530	0.3530
9	r	$\frac{1}{2}0$	1012	"	22 57'	"	22 57'	"	22 57'	"	0.4236	0.4236
10	η	$\frac{3}{2}0$	3035	"	26 56'	"	26 56'	"	26 56'	"	0.5083	0.5083
11	ϵ	$\frac{3}{4}0$	3034	"	32 26	"	32 26	"	32 26	"	0.6354	0.6354
12	x	10	1011	"	40 16'	"	40 16'	"	40 16'	"	0.8472	0.8472
13	a	$\frac{3}{2}0$	3032	"	51 48	"	51 48	"	51 48	"	1.2708	1.2708
14	y	20	2021	"	59 27	"	59 27	"	59 27	"	1.6944	1.6944
15	w	$\frac{7}{3}0$	7073	"	63 10	"	63 10	"	63 10	"	1.9768	1.9768
16	z	30	3031	"	68 31'	"	68 31'	"	68 31'	"	2.5416	2.5416
17	π	40	4041	"	73 33'	"	73 33'	"	73 33'	"	3.3888	3.3888
18	χ	$\frac{1}{12}$	1.1.2.12	30 00	6 58'	3 30	6 02'	3 29	6 02'	0.0611	0.1059	0.1223
19	φ	$\frac{1}{6}$	1126	"	13 44'	6 58'	11 57'	6 49'	11 52'	0.1223	0.2118	0.2446
20	ω	$\frac{1}{4}$	1124	"	20 09	10 23'	17 37'	9 55'	17 21'	0.1834	0.3177	0.3068
21	v	$\frac{1}{2}$	1122	"	36 16	20 09	32 26	17 12'	30 49'	0.3668	0.6354	0.7337
22	s	1	1121	"	55 43'	36 16	51 48	24 24'	45 42'	0.7337	1.2708	1.4674
23	d	2	2241	"	71 11	55 43'	68 32'	28 15	55 03'	1.4674	2.5416	2.9348
24	i	$1\frac{1}{2}$	2132	19 06'	48 15'	20 09	46 38'	14 08	44 50'	0.3668	1.0590	1.1207
25	m	21	2131	"	65 57'	36 16	64 43'	17 23'	59 39'	0.7337	2.1180	2.2415
26	ψ	$\frac{7}{3}1$	7.3.10.3	17 00	68 16'	"	67 23'	15 45'	62 40'	"	2.4004	2.5101
27	n	31	3141	13 54	71 52'	"	71 22	13 11'	67 18	"	2.9653	3.0547
28	ϱ	41	4151	10 53'	75 33'	"	75 18	10 32'	71 58'	"	3.8124	3.8824
29	o	$\frac{3}{2}1$	3142	13 54	56 47	20 08'	56 00	11 35'	54 18'	0.3668	1.4826	1.5274
30	q	43	4371	25 17	79 01	65 34	77 53	24 47'	62 34'	2.2011	4.6596	5.1535

Apophyllit.

Tetragonal.

$\frac{c}{p_0}$	$\frac{c}{p_0} = 1.2515$	$\lg c = 0.09743$	$\lg a_0 = 9.90257$	$a_0 = 0.7990$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	45 00	"	90 00	"	45 00	45 00	1'0000	"	"
4	r	$\infty 2$	120	26 34	"	"	"	26 34	63 26	0'5000	"	"
5	y	$\infty 3$	130	18 26	"	"	"	18 26	71 34	0'3333	"	"
6	f	0 $\frac{1}{8}$	018	0 00	8 53'	0 00	8 53'	0 00	8 53'	0	0'1564	0'1564
7	e	0 $\frac{1}{6}$	016	"	11 47'	"	11 47'	"	11 47'	"	0'2085	0'2085
8	v	0 $\frac{1}{3}$	015	"	14 03'	"	14 03'	"	14 03'	"	0'2503	0'2503
9	s	0 $\frac{1}{2}$	012	"	32 02'	"	32 02'	"	32 02'	"	0'6257	0'6257
10	i	01	011	"	51 22'	"	51 22'	"	51 22'	"	1'2515	1'2515
11	x	$\frac{1}{10}$	1'1'10	45 00	10 02'	7 08'	7 08'	7 04'	7 04'	0'1251	0'1251	0'1770
12	d	$\frac{1}{3}$	115	"	19 29'	14 03'	14 03'	13 39'	13 39'	0'2503	0'2503	0'3540
13	φ	$\frac{2}{7}$	227	"	26 49'	19 40'	19 40'	18 36'	18 36'	0'3575	0'3575	0'5057
14	z	$\frac{1}{3}$	113	"	30 32'	22 38'	22 38'	21 03'	21 03'	0'4171	0'4171	0'5900
15	χ	$\frac{2}{3}$	223	"	49 43'	39 50'	39 50'	32 38'	32 38'	0'8343	0'8343	1'1799
16	p	1	111	"	60 32'	51 22'	51 22'	38 00'	38 00'	1'2515	1'2515	1'7699
17	τ	$1\frac{1}{3}$	353	30 58'	67 39'	"	64 23'	28 25'	52 28'	"	2'0858	2'4345
18	σ	12	121	26 34'	70 20'	"	68 13'	24 54'	57 23'	"	2'5030	2'7984
19	a	13	131	18 26'	75 49'	"	75 05'	17 51'	66 53'	"	3'7545	3'9575
20	ϱ	26	261	"	82 48'	68 13'	82 25'	18 17'	70 15'	2'5030	7'5090	7'9152

Aragonit.

Rhombisch.

a = 0.6224	lg a = 9.79407	lg a ₀ = 9.93638	lg p ₀ = 0.06362	a ₀ = 0.8637	p ₀ = 1.1578
c = 0.7206	lg c = 9.85769	lg b ₀ = 0.14231	lg q ₀ = 9.85769	b ₀ = 1.3877	q ₀ = 0.7206

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"

N ^o .	Buch- staben	Symb.	Miller	q	q	ξ_0	η_0	ξ	η	X (Prismen) (X:Y)	Y	d = tg φ
4	m	∞	110	58°06'	90°00'	90°00'	90°00'	58°06'	31°54'	1'6067	\sim	\sim
5	a	$0\frac{1}{3}$	013	0°00'	13°30'	0°00'	13°30'	0°00'	13°30'	0	0'2402	0'2402
6	x	$0\frac{1}{2}$	012	"	19°49'	"	19°49'	"	19°49'	"	0'3603	0'3603
7	k	01	011	"	35°46'	"	35°46'	"	35°46'	"	0'7206	0'7206
8	κ	$0\frac{4}{3}$	043	"	43°51'	"	43°51'	"	43°51'	"	0'9608	0'9608
9	l	$0\frac{5}{2}$	032	"	47°13'	"	47°13'	"	47°13'	"	1'0809	1'0809
10	i	02	021	"	55°14'	"	55°14'	"	55°14'	"	1'4412	1'4412
11	v	03	031	"	65°10'	"	65°10'	"	65°10'	"	2'1617	2'1617
12	h	04	041	"	70°52'	"	70°52'	"	70°52'	"	2'8824	2'8824
13	?A	$0\frac{13}{3}$	0'13'3	"	72°14'	"	72°14'	"	72°14'	"	3'1226	3'1226
14	c	05	051	"	74°29'	"	74°29'	"	74°29'	"	3'6030	3'6030
15	q	06	061	"	76°58'	"	76°58'	"	76°58'	"	4'3235	4'3235
16	β	$0\frac{13}{2}$	0'13'2	"	77°57'	"	77°57'	"	77°57'	"	4'6838	4'6838
17	χ	07	071	"	78°47'	"	78°47'	"	78°47'	"	5'0441	5'0441
18	ν	08	081	"	80°09'	"	80°09'	"	80°09'	"	5'7647	5'7647
19	λ	09	091	"	81°14'	"	81°14'	"	81°14'	"	6'4853	6'4853
20	j	0'12	0'12'1	"	83°24'	"	83°24'	"	83°24'	"	8'6470	8'6470
21	e	0'13	0'13'1	"	83°54'	"	83°54'	"	83°54'	"	9'3676	9'3676
22	θ	0'14	0'14'1	"	84°20'	"	84°20'	"	84°20'	"	10'088	10'088
23	μ	0'16	0'16'1	"	85°02'	"	85°02'	"	85°02'	"	11'529	11'529
24	ϱ	0'20	0'20'1	"	86°02'	"	86°02'	"	86°02'	"	14'412	14'412
25	η	0'24	0'24'1	"	86°41'	"	86°41'	"	86°41'	"	17'294	17'294
26	d	$\frac{1}{2}0$	102	90°00'	30°04'	30°04'	0°00'	30°04'	0°00'	0'5789	0	0'5789
27	g	$\frac{3}{2}0$	304	"	40°58'	40°58'	"	40°58'	"	0'8683	"	0'8683
28	u	10	101	"	49°11'	49°11'	"	49°11'	"	1'1578	"	1'1578
29	f	20	201	"	66°38'	66°38'	"	66°38'	"	2'3155	"	2'3155
30	A	15	151	17°49'	75°12'	49°11'	74°29'	17°12'	66°59'	1'1578	3'6030	3'7843
31	s	12	121	38°46'	61°35'	"	55°14'	33°25'	43°17'	"	1'4412	1'8486
32	p	1	111	58°06'	53°45'	"	35°46'	43°12'	25°13'	"	0'7206	1'3637
33	π	24'24	24'24'1	"	88°15'	87°56'	86°41'	58°03'	31°53'	27'786	17'294	32'725
34	δ	14'14	14'14'1	"	87°00'	86°28'	84°20'	57°58'	31°51'	16'209	10'088	10'092
35	Θ	10'10	10'10'1	"	85°48'	85°04'	82°06'	57°51'	31°48'	11'578	7'2060	13'034
36	σ	9	991	"	85°20'	84°31'	81°14'	57°48'	31°47'	10'420	6'4853	12'273
37	γ	8	881	"	84°46'	83°50'	80°09'	57°43'	31°45'	9'2622	5'7647	10'609
38	ψ	7	771	"	84°01'	82°58'	78°47'	57°36'	31°42'	8'1044	5'0441	9'5400
39	ω	$\frac{13}{2}$	13'13'2	"	83°34'	82°26'	77°57'	57°31'	31°40'	7'5254	4'6838	8'8640
40	ϵ	6	661	"	83°02'	81°48'	76°58'	57°25'	31°38'	6'9466	4'3235	8'1822
41	ζ	4	441	"	79°37'	77°49'	70°52'	56°37'	31°19'	4'6311	2'8824	5'4548
42	B	$\frac{3}{2}$	332	"	63°57'	60°04'	47°13'	49°42'	28°20'	1'7366	1'0809	2'0455
43	o	$\frac{1}{2}$	112	"	34°17'	30°04'	19°49'	28°34'	17°19'	0'5789	0'3603	0'6819
44	n	$\frac{1}{2}1$	122	38°45'	42°45'	"	35°46'	25°09'	31°57'	"	0'7206	0'9243
45	Σ	$\frac{3}{2}3$	362	"	70°10'	60°04'	65°10'	36°06'	47°10'	1'7366	2'1617	2'7730

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
46	t	$\frac{2}{3}\frac{4}{3}$	243	38° 45'	50° 56'	37° 40'	43° 51'	29° 06'	37° 15'	0'7718	0'9608	1'2324
47	r	$\frac{1}{3}\frac{2}{3}$	123	"	31 38'	21 06'	25 39'	19 11'	24 08'	0'3859	0'4804	0'6162
48	r	$\frac{1}{2}\frac{1}{2}$	124	"	24 48'	16 08'	19 49'	15 14'	19 05'	0'2894	0'3603	0'4622
49	H	$\frac{1}{2}\frac{2}{3}$	125	"	20 17'	13 02'	16 05'	12 32'	15 41'	0'2315	0'2882	0'3697
50	ξ	$\frac{1}{6}\frac{1}{3}$	126	"	17 07'	10 55'	13 30'	10 37'	13 16'	0'1929	0'2402	0'3081
51	φ	$\frac{4}{3}\frac{2}{3}$	425	72 43'	44 07'	42 48'	16 05'	41 40'	11 56'	0'9262	0'2882	0'9700
52	y	$\frac{2}{3}\frac{1}{3}$	215	"	52 25'	24 51'	8 12'	24 37'	7 27'	0'4631	0'1441	0'4850
53	E	$\frac{1}{2}\frac{2}{3}$	132	28 10'	50 48'	30 04'	47 13'	21 27'	43 05'	0'5789	1'0808	1'2261
54	I'	$\frac{1}{8}\frac{3}{8}$	158	17 49'	25 19'	8 14'	24 15'	7 31'	24 01'	0'1447	0'4503	0'4731
55	Y	$\frac{9}{6}$	9'12'2	50 18'	81 36'	79 08'	76 58'	49 34'	39 11'	5'2099	4'3234	6'7703
56	A	$\frac{12}{5}\frac{17}{5}$	12'17'5	48 35'	74 53'	70 12'	67 48'	46 24'	39 40'	2'7786	2'4500	3'7045
57	z	$\frac{25}{2}\frac{27}{2}$	25'27'2	56 05'	86 43'	86 03'	84 08'	55 57'	33 51'	14'472	9'7280	17'438
58	w	$\frac{23}{24}\frac{9}{8}$	25'27'24	"	55 28'	50 20'	39 03'	43 08'	27 21'	1'2060	0'8106	1'4531
59	Φ	$\frac{5}{6}$	561	53 14'	82 07'	80 12'	70 58'	52 31'	36 21'	5'7888	4'3234	7'2252

Ardennit.

Rhombisch.

a = 0'4663	lg a = 966867	lg a ₀ = 017243	lg p ₀ = 982757	a ₀ = 1'4874	p ₀ = 0'6723
c = 0'3135	lg c = 949624	lg b ₀ = 050376	lg q ₀ = 949624	b ₀ = 3'1898	q ₀ = 0'3135

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	b	0 ∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
2	a	∞ 0	100	90 00'	"	90 00'	0 00'	90 00'	0 00'	∞	0	"
3	n	$\frac{3}{2}\infty$	320	72 44'	"	"	90 00'	72 44'	17 16'	3'2168	∞	"
4	m	∞	110	65 00'	"	"	"	65 00'	25 00'	2'1445	"	"
5	l	∞ 2	120	47 00'	"	"	"	47 00'	43 00'	1'0722	"	"
6	e	10	101	90 00'	33 55'	33 55'	0 00'	33 55'	0 00'	0'6723	0	0'6723
7	o	1	111	65 00'	36 34'	"	17 24'	32 41'	14 35'	"	0'3135	0'7418
8	u	1 $\frac{1}{2}$	323	72 44'	35 09'	"	11 48'	33 21'	9 50'	"	0'2090	0'7041

Argyrodit.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1'0000 \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$
2	?m	$\begin{cases} \frac{1}{3} \\ 13 \end{cases}$	$\begin{matrix} 113 \\ 131 \end{matrix}$	$\begin{matrix} " \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 25^\circ 14' \\ 72^\circ 27' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \end{matrix}$	$\begin{matrix} 17^\circ 33' \\ " \end{matrix}$	$\begin{matrix} 17^\circ 33' \\ 64^\circ 45' \end{matrix}$	$\begin{matrix} 0'3333 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'3333 \\ 3'0000 \end{matrix}$	$\begin{matrix} 0'4714 \\ 3'1623 \end{matrix}$
3	p	$\begin{matrix} 1 \\ 111 \end{matrix}$	$\begin{matrix} 111 \\ 111 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 54^\circ 44' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 35^\circ 16' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 35^\circ 16' \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} 1'0000 \\ 1'0000 \end{matrix}$	$\begin{matrix} 1'4142 \\ 1'4142 \end{matrix}$

Arksutit.**Tetragonal.**

$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 1'015$	$lg c = 000647$	$lg a_0 = 999353$	$a_0 = 0'9852$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	p	$\begin{matrix} 1 \\ 111 \end{matrix}$	$\begin{matrix} 111 \\ 111 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 55^\circ 08' \\ 55^\circ 08' \end{matrix}$	$\begin{matrix} 45^\circ 25' \\ 45^\circ 25' \end{matrix}$	$\begin{matrix} 45^\circ 25' \\ 45^\circ 25' \end{matrix}$	$\begin{matrix} 35^\circ 28' \\ 35^\circ 28' \end{matrix}$	$\begin{matrix} 35^\circ 28' \\ 35^\circ 28' \end{matrix}$	$\begin{matrix} 1'0150 \\ 1'0150 \end{matrix}$	$\begin{matrix} 1'0150 \\ 1'0150 \end{matrix}$	$\begin{matrix} 1'4354 \\ 1'4354 \end{matrix}$

Arsen.**Hexagonal. Rhomboedrisch-homledrisch.**

$c = 1'4013$	$lg c = 014653$	$lg a_0 = 009203$	$lg p_0 = 997044$	$a_0 = 1'2360$	$p_0 = 0'9342$	(G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	$\begin{matrix} 0 \\ +1 \end{matrix}$	$\begin{matrix} 0001 \\ 1121 \end{matrix}$	$\begin{matrix} - \\ 30^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 58^\circ 17' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 38^\circ 58' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 54^\circ 29' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 25^\circ 10' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 47^\circ 27' \end{matrix}$	$\begin{matrix} 0 \\ 0'8090 \end{matrix}$	$\begin{matrix} 0 \\ 1'4013 \end{matrix}$	$\begin{matrix} 0 \\ 1'6181 \end{matrix}$
3	z	$\begin{matrix} +\frac{1}{4} \\ -\frac{1}{2} \end{matrix}$	$\begin{matrix} 1124 \\ 1122 \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} 22^\circ 01' \\ 38^\circ 58' \end{matrix}$	$\begin{matrix} 11^\circ 26' \\ 22^\circ 01' \end{matrix}$	$\begin{matrix} 19^\circ 18' \\ 35^\circ 01' \end{matrix}$	$\begin{matrix} 10^\circ 48' \\ 18^\circ 20' \end{matrix}$	$\begin{matrix} 18^\circ 57' \\ 33^\circ 00' \end{matrix}$	$\begin{matrix} 0'2023 \\ 0'4045 \end{matrix}$	$\begin{matrix} 0'3503 \\ 0'7006 \end{matrix}$	$\begin{matrix} 0'4045 \\ 0'8090 \end{matrix}$
5	h	$\begin{matrix} -\frac{3}{2} \\ 3362 \end{matrix}$	$\begin{matrix} 3362 \\ 3362 \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} 67^\circ 36' \\ 67^\circ 36' \end{matrix}$	$\begin{matrix} 50^\circ 30' \\ 50^\circ 30' \end{matrix}$	$\begin{matrix} 64^\circ 33' \\ 64^\circ 33' \end{matrix}$	$\begin{matrix} 27^\circ 32' \\ 27^\circ 32' \end{matrix}$	$\begin{matrix} 53^\circ 12' \\ 53^\circ 12' \end{matrix}$	$\begin{matrix} 1'2136 \\ 1'2136 \end{matrix}$	$\begin{matrix} 2'1020 \\ 2'1020 \end{matrix}$	$\begin{matrix} 2'4271 \\ 2'4271 \end{matrix}$

Arsenit.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	p	$\begin{matrix} 1 \\ 111 \end{matrix}$	$\begin{matrix} 111 \\ 111 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 54^\circ 44' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 35^\circ 16' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 35^\circ 16' \end{matrix}$	$\begin{matrix} 1'0000 \\ 1'0000 \end{matrix}$	$\begin{matrix} 1'0000 \\ 1'0000 \end{matrix}$	$\begin{matrix} 1'4142 \\ 1'4142 \end{matrix}$

Arsenkies.**Rhomboisch.**

$a = 0.6802$	$\lg a = 983264$	$\lg a_0 = 975654$	$\lg p_0 = 024346$	$a_0 = 0.5709$	$p_0 = 1.7517$
$c = 1.1915$	$\lg c = 007610$	$\lg b_0 = 992390$	$\lg q_0 = 007610$	$b_0 = 0.8393$	$q_0 = 1.1915$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	o ∞	010	0°	90 00	"	90 00	"	90 00	"	∞	∞
3	b	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	o	"
4	m	∞	110	55 46'	"	"	90 00	55 46'	34 13'	1'4701'	∞	"
5	μ	$\infty \frac{4}{3}$	340	47 47'	"	"	"	47 47'	42 12'	1'1026	"	"
6	ν	$\infty \frac{2}{3}$	370	32 13	"	"	"	32 13	57 47	0'6300'	"	"
7	w	o $\frac{1}{18}$	0'1'16	0 00	4 15'	0 00	4 15'	0 00	4 15'	o	0'0744'	0'0744'
8	y	o $\frac{1}{8}$	018	"	8 28	"	8 28	"	8 28	"	0'1489'	0'1489'
9	β	o $\frac{1}{6}$	016	"	11 14	"	11 14	"	11 14	"	0'1986	0'1986
10	ϱ	o $\frac{1}{5}$	015	"	13 24	"	13 24	"	13 24	"	0'2383	0'2383
11	r	o $\frac{1}{4}$	014	"	16 35	"	16 35	"	16 35	"	0'2979	0'2979
12	ω	o $\frac{2}{7}$	027	"	18 48	"	18 48	"	18 48	"	0'3404'	0'3404'
13	q	o $\frac{1}{3}$	013	"	21 39'	"	21 39'	"	21 39'	"	0'3971'	0'3971'
14	s	o $\frac{1}{2}$	012	"	30 47	"	30 47	"	30 47	"	0'5957'	0'5957'
15	u	o $\frac{2}{5}$	023	"	38 27'	"	38 27'	"	38 27'	"	0'7943'	0'7943'
16	l	01	011	"	49 59'	"	49 59'	"	49 59'	"	1'1915	1'1915
17	k	02	021	"	67 14	"	67 14	"	67 14	"	2'3830	2'3830
18	t	03	031	"	74 22	"	74 22	"	74 22	"	3'5745'	3'5745'
19	e	10	101	90 00	60 16'	60 16'	0 00	60 16'	0 00	1'7517	o	1'7517
20	g	1	111	55 46'	64 44	"	49 59'	48 24	30 34'	"	1'1915	2'1185
21	h	3	331	"	81 03'	79 13'	74 22	54 46	33 45	5'2551	3'5745'	6'3555
22	v	1 $\frac{1}{2}$	212	71 13	61 36'	60 16'	30 47	56 24	16 27'	1'7517	0'5957'	1'8502
23	x	$\frac{3}{2}$	312	77 13'	69 38	69 10	"	66 06'	11 58	2'6275	"	2'6942
24	i	32	321	65 36'	80 10	79 13'	67 14	63 48'	24 07	5'2551	2'3830	5'7701

Astrophyllit.**Rhomboisch.**

$a = 0.9902$	$\lg a = 999572$	$\lg a_0 = 932269$	$\lg p_0 = 067731$	$a_0 = 0.2102$	$p_0 = 4.757$
$c = 4.7101$	$\lg c = 067303$	$\lg b_0 = 932607$	$\lg q_0 = 067303$	$b_0 = 0.2123$	$q_0 = 4.710$

No.	Buchstaben	Symb. Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	b	0~	010	0°00	90°00	0°00	90°00	0°00	90°00	0	∞
2	m	∞	110	45 17	"	"	45 17	44 43	1°0099	"	"
3	g	$0\frac{3}{8}$	038	0 00	60 29	"	60 29	0 00	60 29	1°7663	1°7663
4	q	10	101	90 00	78 07	78 07	0 00	78 07	0 00	4°7568	4°7568
5	l	1	111	45 17	81 30	"	78 08	44 39	44 06	4°7101	6°6940
6	z	$1\frac{1}{6}$	616	80 38	78 17	"	38 08	75 02	9 10	0°7850	4°8210
7	x	$1\frac{1}{2}$	212	63 39	79 20	"	66 59	61 43	25 51	2°3550	5°3077
8	i	$1\frac{3}{4}$	434	53 24	80 25	"	74 11	52 20	36 00	3°5326	5°9248

Atakamit.

Rhombisch.

a = 0°6613	lga = 982040	lga ₀ = 994447	lgp ₀ = 005553	a ₀ = 0°8800	p ₀ = 1°1364
c = 0°7515	lgc = 987593	lgb ₀ = 012407	lgq ₀ = 987593	b ₀ = 1°3307	q ₀ = 0°7515

No.	Buchstaben	Symb. Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	∞	010	"	90 00	"	90 00	"	90 00	∞	∞
3	b	∞	100	90 00	"	90 00	0 00	90 00	0 00	0	"
4	x	∞	140	20 42	"	"	90 00	20 42	69 17	0°3870	"
5	k	∞	130	26 45	"	"	"	26 45	63 15	0°5041	"
6	s	∞	120	37 05	"	"	"	37 05	52 54	0°7561	"
7	l	∞	230	45 14	"	"	"	45 14	44 46	1°0081	"
8	t	∞	560	51 34	"	"	"	51 34	38 26	1°2601	"
9	m	∞	110	56 31	"	"	"	56 31	33 28	1°5121	"
10	d	$0\frac{2}{3}$	023	0 00	26 36	0 00	26 36	0 00	26 36	0	0°5010
11	e	01	011	"	36 55	"	36 55	"	36 55	"	0°7515
12	i	$0\frac{1}{2}$	010	"	39 52	"	39 52	"	39 52	"	0°8350
13	o	02	021	"	56 22	"	56 22	"	56 22	"	1°5030
14	g	03	031	"	66 05	"	66 05	"	66 05	"	2°2545
15	u	10	101	90 00	48 39	48 39	0 00	48 39	0 00	1°1304	0
16	h	20	201	"	66 15	66 15	"	66 15	"	2°2728	"
17	n	12	121	37 05	62 02	48 39	56 22	32 11	44 48	1°1364	1°5030
18	r	1	111	56 31	53 43	"	36 55	42 15	26 24	"	0°7515
19	w	$\frac{1}{2}$	992	"	80 44	78 56	73 31	55 24	32 59	5°1136	0°3381
20	z	3	331	"	76 15	73 39	66 05	54 07	32 24	3°4092	2°2545
21	q	2	221	"	69 51	66 15	56 22	51 32	31 11	2°2728	1°5030
22	f	21	211	71 42	67 19	"	36 55	61 10	16 50	"	0°7515
23	y	$\frac{3}{2}$	321	66 12	74 58	73 39	56 22	62 05	22 56	3°4092	1°5030
24	v	$\frac{2}{3}$	762	60 27	77 40	75 53	66 05	58 12	28 48	3°9774	2°2545

Atelestit.**Monoklin.**

$a = 0.9334$	$\lg a = 997007$	$\lg a_o = 979250$	$\lg p_o = 020750$	$a_o = 0.6201$	$p_o = 1.6125$
$c = 1.5051$	$\lg c = 017757$	$\lg b_o = 982243$	$\lg q_o = 015249$	$b_o = 0.6644$	$q_o = 1.4207$
$\mu = \frac{1}{180 - \beta} \} 70.43$	$\lg h = \frac{1}{\lg \sin \mu} \} 997492$	$\lg e = \frac{1}{\lg \cos \mu} \} 951883$	$\lg p_o = 005501$	$h = 0.9439$	$e = 0.3302$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x' (Prismen) (x : y)	y'	d' $= \lg \varrho$
1	c	0	001	90° 00	19° 17	19° 17	0° 00	19° 17	0° 00	0.3498	0	0.3498
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	l	3∞	310	73 38	"	"	90 00	73 38	16 22	3.4051	∞	"
5	m	∞	110	48 37	"	"	"	48 37	41 23	1.1350	"	"
6	e	01	011	13 05	57 05	19 17	56 24	10 57	54 51	0.3499	1.5051	1.5452
7	d	+ 10	101	90 00	64 05	64 05	0 00	64 05	0 00	2.0581	0	2.0581
8	p	- 10	101	90 00	53 38	53 38	"	53 38	"	1.3585	"	1.3585
9	o	+ 1	111	53 49	68 35	64 05	56 24	48 43	33 20	2.0581	1.5051	2.5498
10	q	+ 1½	313	76 18	64 44	"	26 38	61 28	12 22	"	0.5017	2.1184

Atopit.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x (Prismen) (x : y)	y	d $= \lg \varrho$
1	c	{ 0 0∞	{ 001 010	{ — 0° 00	{ 0° 00 90 00	{ 0° 00 "	{ 0° 00 90 00	{ 0° 00 "	{ 0° 00 90 00	{ 0 "	{ 0 ∞	{ 0 ∞
2	d	{ 01 ∞	{ 011 110	{ " 45 00	{ 45 00 90 00	{ " 90 00	{ 45 00 90 00	{ " 45 00	{ 45 00 "	{ " 1.0000	{ 1.0000 ∞	{ 1.0000 ∞
3	p	1	111	"	54 44	45 00	45 00	35 16	35 16	"	1.0000	1.4142

Auripigment.**Rhombisch.**

$a = 0.6030$	$\lg a = 978032$	$\lg a_o = 995147$	$\lg p_o = 004853$	$a_o = 0.8043$	$p_o = 1.1182$
$c = 0.6743$	$\lg c = 982885$	$\lg b_o = 017115$	$\lg q_o = 982885$	$b_o = 1.4830$	$q_o = 0.6743$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	a	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	b	00	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	t	72	710	85° 04'	"	"	90° 00	85° 04'	4° 55'	11'6086	∞	"
4	s	22	320	68° 06'	"	"	"	68° 06'	21° 54'	2'4875	"	"
5	m	22	110	58° 54'	"	"	"	58° 54'	31° 05'	1'6583	"	"
6	u	02	120	39° 40'	"	"	"	39° 40'	50° 20'	0'8292	"	"
7	o	10	101	90° 00	48° 11'	48° 11'	0° 00	48° 11'	0° 00	1'1182	0	1'1182
8	p	1	111	58° 54'	52° 33'	"	33° 59'	42° 50'	24° 12'	"	0'6743	1'3058
9	β	12	232	47° 52'	56° 27'	"	45° 19'	38° 10'	33° 59'	"	1'0114	1'5078
10	v	12	121	39° 40'	60° 17'	"	53° 26'	33° 40'	41° 57'	"	1'3486	1'7519

Axinit.

Triklin.

$p_0 = 1'2810$	$\lambda = 90^\circ 05'$	$a = 0'7812$	$\alpha = 91^\circ 49'$	$x_0 = -0'1387$	$d = -0'1387$
$q_0 = 0'9915$	$\mu = 97^\circ 46'$	$b = 1$	$\beta = 82^\circ 01'$	$y_0 = -0'0014$	$\delta = 89^\circ 24'$
$r_0 = 1$	$\nu = 102^\circ 30'$	$c = 0'9771$	$\gamma = 102^\circ 38'$	$h = 0'9903$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x:y)	y'	d' =tg ϱ
1	m	0	001	90° 34'	7° 58'	7° 58'	0° 05'	7° 58'	0° 04'	0'1401	0'0014	0'1401
2	c	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
3	M	00	100	102° 30'	"	90° 00	"	77° 30'	12° 30'	4'5107	"	"
4	w	0	110	60° 16'	"	"	"	60° 16'	29° 43'	1'7511	"	"
5	u	02	110	135° 24'	"	"	90° 00	44° 35'	45° 24'	0'9857	"	"
6	K	22	9'11'0	139° 58'	"	"	"	40° 01'	49° 58'	0'8399	"	"
7	a	0	340	141° 58'	"	"	"	38° 01'	51° 58'	0'7820	"	"
8	H	0	230	144° 40'	"	"	"	35° 19'	54° 40'	0'7088	"	"
9	β	0	350	147° 03'	"	"	"	32° 57'	57° 03'	0'6481	"	"
10	l	02	120	151° 23'	"	"	"	28° 37'	61° 23'	0'5533	"	"
11	h	03	130	158° 58'	"	"	"	21° 02'	68° 58'	0'3846	"	"
12	e	01	011	7° 58'	45° 16'	7° 58'	44° 59'	5° 39'	44° 43'	0'1401	0'9998	1'0095
13	z	01	012	164° 24'	27° 32'	"	26° 39'	7° 08'	26° 26'	"	0'5021	0'5213
14	L	04	045	170° 06'	39° 10'	"	38° 44'	6° 14'	38° 28'	"	0'8024	0'8140
15	B	08	056	170° 29'	40° 17'	"	39° 53'	6° 08'	39° 37'	"	0'8358	0'8475
16	r	01	011	172° 02'	45° 21'	"	45° 04'	5° 39'	44° 48'	"	1'0026	1'0123
17	π	03	021	176° 00'	63° 32'	"	63° 29'	3° 35'	63° 15'	"	2'0030	2'0088
18	φ	03	031	177° 20'	71° 36'	"	71° 35'	2° 32'	71° 25'	"	3'0051	3'0083

Nr.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
19	g	$\frac{1}{2}0$	103	108° 38'	16° 30'	15° 41'	5° 24'	15° 37'	5° 12'	0'2808	0'0947	0'2964
20	f	$\frac{1}{2}0$	102	106 03'	27 04'	26 09'	8 03'	25 56'	7 14'	0'4912	0'1413	0'5111
21	a	10	101	104 04'	49 10'	48 18'	15 42'	47 13'	10 36'	1'1224	0'2813	1'1572
22	b	10	101	78 46'	55 02'	54 30'	15 33'	53 29'	9 11'	1'4025	0'2785	1'4299
23	μ	$\frac{2}{3}0$	201	78 10'	69 50'	69 26'	29 10'	66 44'	11 06'	2'6651	0'5584	2'7229
24	ψ	$\frac{1}{3}$	113	49 36'	20 14'	15 41'	13 26'	15 16'	12 57'	0'2808	0'2390	0'3687
25	o	$\frac{1}{2}\frac{1}{2}$	112	53 49'	31 19'	26 09'	19 45'	24 48'	17 52'	0'4911	0'3592	0'6085
26	δ	$\frac{1}{2}\frac{1}{2}$	112	115 08'	40 26'	37 38'	19 54'	35 57'	15 59'	0'7713	0'3620	0'8520
27	V	$\frac{2}{3}\frac{1}{2}$	112	50 21'	45 03'	"	32 35'	33 01'	26 50'	"	0'6391	1'0017
28	Y	1	111	57 19'	53 08'	48 18'	35 45'	42 20'	25 35'	1'1224	0'7198	1'3335
29	x	11	111	138 48'	59 36'	"	52 03'	34 37'	40 28'	"	1'2825	1'7043
30	n	1	111	117 16'	57 38'	54 30'	35 51'	48 39'	32 46'	1'4026	0'7228	1'5778
31	α	2	221	118 27'	71 44'	69 26'	55 18'	56 36'	26 54'	2'6651	1'4441	3'0312
32	σ	12	121	33 06'	64 03'	48 18'	59 50'	29 25'	48 52'	1'1224	1'7210	1'9947
33	W	$1\frac{1}{2}$	232	147 48'	64 36'	"	60 43'	28 46'	49 52'	"	1'7831	2'1069
34	s	12	121	153 49'	68 32'	"	66 21'	24 14'	56 38'	"	2'2836	2'5446
35	i	13	131	161 08'	73 56'	"	73 04'	18 06'	65 24'	"	3'2848	3'4713
36	d	12	121	140 52'	65 46'	54 30'	59 53'	35 08'	45 01'	1'4026	1'7239	2'2224
37	ϱ	23	231	44 19'	73 40'	67 15'	67 44'	42 06'	43 22'	2'3850	2'4424	3'4137
38	q	21	211	79 33'	67 35'	"	23 45'	65 23'	9 39'	"	0'4399	2'4252
39	ν	21	211	123 14'	70 40'	"	57 23'	52 07'	31 08'	"	1'5624	2'8511
40	t	23	231	132 32'	74 32'	69 26'	67 45'	45 15'	40 40'	2'6651	2'4452	3'6169
41	ξ	$\frac{1}{3}\frac{2}{3}$	163	163 38'	63 20'	29 17'	62 22'	14 35'	59 01'	0'5610	1'9105	1'9912
42	e	$\frac{1}{3}\frac{2}{3}$	132	150 30'	57 26'	37 38'	53 44'	24 31'	47 11'	0'7714	1'3632	1'5664
43	θ	$\frac{2}{3}\frac{2}{3}$	312	92 19'	63 50'	63 49'	4 42'	63 44'	2 04'	2'0338	0'0823	2'0355
44	r	$\frac{1}{3}\frac{1}{3}$	183	167 43'	69 14'	29 17'	68 48'	11 28'	66 01'	0'5610	2'5781	2'6383
45	ζ	$\frac{2}{3}\frac{1}{3}$	215	76 37'	20 33'	20 02'	4 57'	19 58'	4 39'	0'3649	0'0688	0'3751

Baddeleyit.

(Brazilit.)

Monoklin.

a = 0'9859	lg a = 999383	lg a ₀ = 028549	lg p ₀ = 971451	a ₀ = 1'9297	p ₀ = 0'5182
c = 0'5109	lg c = 970834	lg b ₀ = 029166	lg q ₀ = 970326	b ₀ = 1'9573	q ₀ = 0'5050
$\mu = \left. \begin{matrix} 81^\circ 15' \\ 180 - \beta \end{matrix} \right\}$	$\lg h = \left. \begin{matrix} 999492 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg c = \left. \begin{matrix} 918220 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg p_0 = \left. \begin{matrix} 001125 \\ q_0 \end{matrix} \right\}$	h = 0'9884	e = 0'1521

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y'	d' =lg ϱ
1	c	o	001	90° 00	8° 45	8° 45	0° 00	8° 45	0° 00	0° 1539	o	0° 1539
2	b	o ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	o	∞	∞
3	a	∞ 0	100	90 00	0 00	90 00	0 00	90 00	0 00	∞	o	"
4	m	∞	110	45 44'	90 00	"	90 00	45 44'	44 15'	1° 0262	∞	"
5	l	∞ 2	120	27 10	"	"	"	27 10	62 50	0° 5131	"	"
6	d	02	021	8 34	45 56'	8 45	45 37	6 08	45 17	0° 1539	1° 0218	1° 0333
7	h	+10	101	90 00	34 08'	34 08'	0 00	34 08'	0 00	0° 6782	o	0° 6782
8	r	-10	101	90 00	20 19'	20 19'	"	20 19'	"	0° 3704	"	0° 3704
9	x	+1	111	53 00'	40 20	34 08'	27 04	31 08	22 55	0° 6782	0° 5109	0° 8401
10	y	-1	111	35 57	32 15'	20 20	"	18 15'	25 36	0° 3705	"	0° 6311
11	n	-2	221	41 12'	53 38	41 49	45 37	32 02	37 17'	0° 8947	1° 0218	1° 3581

Baryt.

Rhombisch.

a = 0° 8152	lg a = 991126	lg a ₀ = 979280	lg p ₀ = 020720	a ₀ = 0° 6206	p ₀ = 1° 6114
c = 1° 3136	lg c = 011846	lg b ₀ = 988154	lg q ₀ = 011846	b ₀ = 0° 7613	q ₀ = 1° 3136

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =lg ϱ
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	b	o ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞ 0	100	90 00	"	90 00	0 00	90 00	0 00	∞	o	"
4	τ	4 ∞	410	78 29	"	"	90 00	78 29	11 31	4° 9067	∞	"
5	β	3 ∞	310	74 48	"	"	"	74 48	15 12	3° 6801	"	"
6	λ	2 ∞	210	67 49'	"	"	"	67 49'	22 10'	2° 4534	"	"
7	II	$\frac{5}{3}\infty$	530	63 56	"	"	"	63 56	26 04	2° 0445	"	"
8	η	$\frac{3}{2}\infty$	320	61 28'	"	"	"	61 28'	28 31'	1° 8400	"	"
9	h	$\frac{4}{3}\infty$	540	56 53'	"	"	"	56 53'	33 06'	1° 5333	"	"
10	m	∞	110	50 49	"	"	"	50 49	39 11	1° 2267	"	"
11	N	$\frac{2}{3}\infty$	230	39 16'	"	"	"	39 16'	50 43'	0° 8178	"	"
12	n	∞ 2	120	31 31'	"	"	"	31 31'	58 28'	0° 6133	"	"
13	χ	∞ 3	130	22 14'	"	"	"	22 14'	67 45'	0° 4089	"	"
14	L	∞ 4	140	17 03	"	"	"	17 03	72 57	0° 3066	"	"
15	E	∞ 5	150	13 47	"	"	"	13 47	76 13	0° 2453	"	"
16	a	0 $\frac{1}{12}$	0° 1' 12	0 00	6 15	0 00	6 15	0 00	6 15	o	0° 1094	0° 1004
17	a	0 $\frac{1}{8}$	018	"	9 19'	"	9 19'	"	9 19'	"	0° 1642	0° 1042
18	S	0 $\frac{1}{4}$	014	"	18 11	"	18 11	"	18 11	"	0° 3284	0° 3284
19	A	0 $\frac{1}{6}$	013	"	23 39	"	23 39	"	23 39	"	0° 4378	0° 4378
20	φ	0 $\frac{1}{2}$	012	"	33 18	"	33 18	"	33 18	"	0° 6568	0° 6568
21	Y	0 $\frac{2}{3}$	023	"	41 12'	"	41 12'	"	41 12'	"	0° 8757	0° 8757

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d —tg ϱ
22	B	$\frac{0}{8}$	056	0° 00	47° 35	0° 00	47° 35	0° 00	47° 35	0	1'0946	1'0946
23	e	$\frac{0}{8}$	089	"	49° 25	"	49° 25	"	49° 25	"	1'1676	1'1676
24	o	01	011	"	52° 43	"	52° 43	"	52° 43	"	1'3136	1'3136
25	i	02	021	"	69° 10	"	69° 10	"	69° 10	"	2'6271	2'6271
26	Ψ	03	031	"	75° 45	"	75° 45	"	75° 45	"	3'9407	3'9407
27	x	04	041	"	79° 13	"	79° 13	"	79° 13	"	5'2543	5'2543
28	Ω	05	051	"	81° 20	"	81° 20	"	81° 20	"	6'5653	6'5653
29	f	07	071	"	83° 47	"	83° 47	"	83° 47	"	9'1952	9'1952
30	g	0'10	0'101	"	85° 39	"	85° 39	"	85° 39	"	13'136	13'136
31	K	$\frac{1}{8}$ 0	109	90° 00	10° 09	10° 09	0° 00	10° 09	0° 00	0'1790	0	0'1790
32	W	$\frac{1}{8}$ 0	108	"	11° 23	11° 23	"	11° 23	"	0'2014	"	0'2014
33	w	$\frac{1}{8}$ 0	106	"	15° 02	15° 02	"	15° 02	"	0'2685	"	0'2685
34	σ	$\frac{1}{8}$ 0	105	"	17° 52	17° 52	"	17° 52	"	0'3223	"	0'3223
35	l	$\frac{1}{4}$ 0	104	"	21° 56	21° 56	"	21° 56	"	0'4028	"	0'4028
36	g	$\frac{1}{4}$ 0	103	"	28° 14	28° 14	"	28° 14	"	0'5371	"	0'5371
37	e	$\frac{3}{8}$ 0	308	"	31° 08	31° 08	"	31° 08	"	0'6042	"	0'6042
38	x	$\frac{3}{8}$ 0	205	"	32° 48	32° 48	"	32° 48	"	0'6445	"	0'6445
39	d	$\frac{1}{2}$ 0	102	"	38° 51	38° 51	"	38° 51	"	0'8057	"	0'8057
40	V	$\frac{5}{8}$ 0	508	"	45° 12	45° 12	"	45° 12	"	1'0071	"	1'0071
41	O	$\frac{2}{3}$ 0	203	"	47° 03	47° 03	"	47° 03	"	1'0742	"	1'0742
42	r	$\frac{2}{3}$ 0	405	"	52° 13	52° 13	"	52° 13	"	1'2892	"	1'2892
43	h	$\frac{2}{3}$ 0	23'0'24	"	57° 04	57° 04	"	57° 04	"	1'5442	"	1'5442
44	u	$\frac{1}{10}$	101	"	58° 10	58° 10	"	58° 10	"	1'6114	"	1'6114
45	D	$\frac{1}{2}$ 0	302	"	67° 31	67° 31	"	67° 31	"	2'4170	"	2'4170
46	U	20	201	"	72° 45	72° 45	"	72° 45	"	3'2228	"	3'2228
47	e	$\frac{1}{10}$	1'1'20	50° 49	5° 56	4° 36	3° 40	4° 36	3° 45	0'0805	0'0657	0'1039
48	j	$\frac{1}{10}$	1'1'10	"	11° 44	9° 09	7° 29	9° 04	7° 23	0'1611	0'1313	0'2079
49	H	$\frac{1}{8}$	119	"	13° 00	10° 09	8° 18	10° 03	8° 10	0'1790	0'1459	0'2310
50	k	$\frac{1}{8}$	118	"	14° 34	11° 23	9° 19	11° 14	9° 08	0'2014	0'1642	0'2599
51	P	$\frac{1}{6}$	116	"	19° 06	15° 02	12° 21	14° 42	11° 56	0'2685	0'2189	0'3465
52	v	$\frac{1}{4}$	115	"	22° 34	17° 52	14° 43	17° 19	14° 02	0'3222	0'2627	0'4158
53	q	$\frac{1}{4}$	114	"	27° 28	21° 56	18° 11	20° 56	16° 56	0'4028	0'3284	0'5197
54	f	$\frac{1}{4}$	113	"	34° 43	28° 14	23° 39	26° 12	21° 05	0'5371	0'4378	0'6930
55	r	$\frac{1}{2}$	112	"	46° 06	38° 51	33° 17	33° 57	27° 05	0'8057	0'6568	1'0395
56	R	$\frac{2}{3}$	223	"	54° 11	47° 03	41° 12	38° 56	30° 49	1'0743	0'8757	1'3860
57	z	$\frac{2}{3}$	334	"	57° 19	50° 23	44° 34	40° 43	32° 08	1'2085	0'9852	1'5592
58	z	1	111	"	64° 18	58° 10	52° 43	44° 18	34° 42	1'6114	1'3136	2'0790
59	p	4	441	"	83° 08	81° 11	79° 13	50° 18	38° 51	6'4453	5'2544	8'3160
60	δ	$1\frac{1}{4}$	414	78° 29	58° 42	58° 10	18° 11	56° 51	9° 49	1'6114	0'3284	1'6445
61	ω	$1\frac{1}{4}$	313	74° 48	59° 05	"	23° 39	55° 53	13° 00	"	0'4378	1'6698
62	ν	$1\frac{1}{2}$	212	67° 49	60° 07	"	33° 17	53° 24	19° 06	"	0'6568	1'7402
63	Σ	12	121	31° 31	72° 01	"	69° 09	29° 49	54° 10	"	2'6272	3'0820

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\frac{1}{\lg e}$
64	Φ	13	131	22° 14'	76° 47'	58° 10'	75° 45'	21° 37'	64° 18'	1'6114	3'9407	4'5274
65	T	14	141	17 03	79 41	"	79 13	16 46	70 09	"	5'2544	5'4954
66	E	15	151	13 47	81 35	"	81 20	13 38	73 54	"	6'5680	6'7627
67	ψ	$\frac{1}{2}1$	166	11 33	53 17	15 02	52 43	9 14	51 45	0'2685	1'3136	1'3407
68	Q	$\frac{1}{2}1$	155	13 47	53 31	17 52	"	11 03	51 21	0'3222	"	1'3525
69	e	$\frac{1}{2}1$	144	17 03	53 57	21 56	"	13 43	50 37	0'4028	"	1'3740
70	J	$\frac{1}{2}1$	133	22 14	54 50	28 14	"	18 01	49 10	0'5371	"	1'4192
71	y	$\frac{1}{2}1$	122	31 31	57 01	38 51	"	26 01	45 39	0'8057	"	1'5410
72	b	$\frac{1}{2}1$	344	42 38	60 44	50 23	"	36 12	39 56	1'2085	"	1'7850
73	s	$\frac{1}{2}2$	132	22 14	64 50	38 51	63 05	20 02	56 54	0'8057	1'9703	2'1287
74	ξ	$\frac{1}{2}2$	142	17 03	70 00	"	69 09	15 59	63 57	"	2'6272	2'7479
75	i	$\frac{1}{2}2$	136	22 14	35 21	15 02	33 17	12 39	32 23	0'2685	0'6568	0'7040
76	μ	$\frac{1}{2}2$	124	31 31	37 37	21 56	"	18 36	31 21	0'4028	"	0'7705
77	A	$\frac{1}{2}2$	524	71 56	64 44	63 36	"	59 17	16 17	2'0142	"	2'1180
78	γ	$\frac{1}{2}2$	312	74 48	68 14	67 31	"	63 40	14 05	2'4170	"	2'5047
79	t	$\frac{1}{2}1$	111	11'36	77 28	71 43	"	67 57	11 53	2'9542	"	3'0263
80	u	$\frac{1}{2}6$	276	19 19	58 22	28 14	56 52	16 21	53 28	0'5371	1'5325	1'6237
81	G	$\frac{1}{2}3$	153	13 47	66 04	"	65 27	12 35	62 35	"	2'1893	2'2542
82	A	$\frac{3}{2}3$	362	31 31	77 47	67 31	75 45	30 44	56 25	2'4170	3'9407	4'6230
83	X	$\frac{3}{2}10$	15'3'10	80 44	67 47	"	21 30	66 01	8 34	"	0'3940	2'4490
84	f	$\frac{3}{2}2$	364	31 31	66 36	50 23	63 05	28 40	51 28	1'2085	1'9703	2'3115
85	Γ	$\frac{1}{2}2$	1'8'12	8 43	41 32	7 39	41 12	5 46	40 57	0'1342	0'8757	0'8860
86	π	$\frac{3}{2}6$	916	84 49	67 36	67 31	12 21	67 02	4 47	2'4170	0'2189	2'4209
87	F	$\frac{1}{2}3$	146	17 03	42 29	15 15	41 12	11 25	40 13	0'2685	0'8757	0'9160
88	z	$\frac{1}{2}2$	154	13 47	59 24	21 56	58 39	11 50	56 42	0'4028	1'6420	1'6907
89	θ	$\frac{1}{2}6$	176	9 56	57 16	15 15	56 52	8 21	55 57	0'2685	1'5325	1'5554
90	b	$\frac{7}{2}24$	28'7'24	78 29	62 28	61 59	20 58	60 20	10 12	1'8800	0'3831	1'9186
91	o	$\frac{2}{3}1$	213	67 49	49 14	47 03	23 39	44 32	16 36	1'0743	0'4378	1'1601
92	C	$\frac{2}{3}1$	324	61 28	53 59	50 23	33 18	45 17	22 43	1'2085	0'6568	1'3755
93	Z	$\frac{1}{2}4$	128	31 31	21 04	11 23	18 11	10 50	17 50	0'2014	0'3284	0'3852
94	t	$\frac{3}{2}2$	364	"	66 36	50 23	63 05	28 40	51 28	1'2085	1'9704	2'3115
95	m	$\frac{1}{2}7$	157	13 47	44 00	12 58	43 10	9 32	42 26	0'2302	0'9383	0'9661
96	n	$\frac{2}{3}1$	2'5'11	26 08	33 37	16 20	30 50	14 07	29 49	0'2930	0'5971	0'6651

Barytocalcit.

Monoklin.

a = 1'2507	lg a = 009716	lg a ₀ = 016897	lg p ₀ = 983103	a ₀ = 1'4756	p ₀ = 0'6777
c = 0'8476	lg c = 992819	lg b ₀ = 007181	lg q ₀ = 987001	b ₀ = 1'1798	q ₀ = 0'7413
$\mu_{180-\beta} = \frac{1}{2}61^{\circ}00$	lg h = 994182	lg e = 968557	lg $\frac{p_0}{q_0}$ = 996102	h = 0'8746	e = 0'4848

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' = $\operatorname{tg} \varrho$
1	h	o	001	90° 00	29° 00	29° 00	0° 00	29° 00	0° 00	0° 5543	o	0° 5543
2	m	∞	110	42 26	90 00	90 00	90 00	42 26	47 34	0° 9141	∞	∞
3	r	∞_3	130	16 57	"	"	"	16 57	73 03	0° 3047	"	"
4	y	$\infty_{\frac{3}{2}}$	250	20 05	"	"	"	20 05	69 55	0° 3656	"	"
5	s	01	011	33 11	45 22	29 00	40 17	22 55	36 33	0° 5543	0° 8476	1° 0128
6	v	02	021	18 06	60 43	"	59 28	15 43	56 01	"	1° 6952	1° 7835
7	c	—10	101	90 00	12 26	12 26	0 00	12 26	0 00	0° 2205	o	0° 2205
8	p	—20	201	"	44 52	44 52	"	44 52	"	0° 9954	"	0° 9954

Barytsalpeter.

Regulär. Tetartoedrisch.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d = $\operatorname{tg} \varrho$
1	c	$\begin{cases} o \\ \infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0° 00 \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} o \\ " \end{cases}$	$\begin{cases} o \\ \infty \end{cases}$	$\begin{cases} o \\ \infty \end{cases}$
2	a	$\begin{cases} \pm 0\frac{1}{3} \\ \pm 0_3 \\ \pm \infty_3 \end{cases}$	$\begin{cases} 013 \\ 031 \\ 130 \end{cases}$	$\begin{cases} " \\ " \\ 18 26 \end{cases}$	$\begin{cases} 18 26 \\ 71 34 \\ 90 00 \end{cases}$	$\begin{cases} " \\ " \\ 90 00 \end{cases}$	$\begin{cases} 18 26 \\ 71 34 \\ 90 00 \end{cases}$	$\begin{cases} " \\ 71 34 \\ 18 26 \end{cases}$	$\begin{cases} 18 26 \\ 71 34 \\ " \end{cases}$	$\begin{cases} " \\ " \\ 0° 3333 \end{cases}$	$\begin{cases} 0° 3333 \\ 3° 0000 \\ \infty \end{cases}$	$\begin{cases} 0° 3333 \\ 3° 0000 \\ \infty \end{cases}$
3	e	$\begin{cases} \pm 0\frac{1}{2} \\ \pm 0_2 \\ \pm \infty_2 \end{cases}$	$\begin{cases} 012 \\ 021 \\ 120 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 26 34 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 90 00 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ 63 26 \\ 26 34 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \\ 26 34 \end{cases}$	$\begin{cases} o \\ " \\ 0° 5000 \end{cases}$	$\begin{cases} 0° 5000 \\ 2° 0000 \\ \infty \end{cases}$	$\begin{cases} 0° 5000 \\ 2° 0000 \\ \infty \end{cases}$
4	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} 0 00 \\ 45 00 \end{cases}$	$\begin{cases} 45 00 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ 90 00 \end{cases}$	$\begin{cases} 45 00 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ 45 00 \end{cases}$	$\begin{cases} 45 00 \\ " \end{cases}$	$\begin{cases} o \\ 1° 0000 \end{cases}$	$\begin{cases} 1° 0000 \\ \infty \end{cases}$	$\begin{cases} 1° 0000 \\ \infty \end{cases}$
5	l	$\begin{cases} -\frac{1}{3} \\ -15 \end{cases}$	$\begin{cases} 115 \\ 151 \end{cases}$	$\begin{cases} " \\ 11 18 \end{cases}$	$\begin{cases} 15 47 \\ 78 54 \end{cases}$	$\begin{cases} 11 18 \\ 45 00 \end{cases}$	$\begin{cases} 11 18 \\ 78 41 \end{cases}$	$\begin{cases} 11 06 \\ " \end{cases}$	$\begin{cases} 11 06 \\ 74 12 \end{cases}$	$\begin{cases} 0° 2000 \\ 1° 0000 \end{cases}$	$\begin{cases} 0° 2000 \\ 5° 0000 \end{cases}$	$\begin{cases} 0° 2828 \\ 5° 0989 \end{cases}$
6	m	$\begin{cases} +\frac{1}{3} \\ +13 \end{cases}$	$\begin{cases} 113 \\ 131 \end{cases}$	$\begin{cases} 45 00 \\ 18 26 \end{cases}$	$\begin{cases} 25 14 \\ 72 27 \end{cases}$	$\begin{cases} 18 26 \\ 45 00 \end{cases}$	$\begin{cases} 18 26 \\ 71 34 \end{cases}$	$\begin{cases} 17 33 \\ " \end{cases}$	$\begin{cases} 17 33 \\ 64 45 \end{cases}$	$\begin{cases} 0° 3333 \\ 1° 0000 \end{cases}$	$\begin{cases} 0° 3333 \\ 3° 0000 \end{cases}$	$\begin{cases} 0° 4714 \\ 3° 1623 \end{cases}$
7	M	$\begin{cases} +\frac{3}{8} \\ +1\frac{3}{8} \end{cases}$	$\begin{cases} 338 \\ 383 \end{cases}$	$\begin{cases} 45 00 \\ 20 33 \end{cases}$	$\begin{cases} 27 56 \\ 70 39 \end{cases}$	$\begin{cases} 20 33 \\ 45 00 \end{cases}$	$\begin{cases} 20 33 \\ 69 26 \end{cases}$	$\begin{cases} 19 21 \\ " \end{cases}$	$\begin{cases} 19 21 \\ 62 03 \end{cases}$	$\begin{cases} 0° 3750 \\ 1° 0000 \end{cases}$	$\begin{cases} 0° 3750 \\ 2° 6667 \end{cases}$	$\begin{cases} 0° 5303 \\ 2° 8480 \end{cases}$
8	q	$\begin{cases} \pm \frac{1}{2} \\ \pm 12 \end{cases}$	$\begin{cases} 112 \\ 121 \end{cases}$	$\begin{cases} 45 00 \\ 26 34 \end{cases}$	$\begin{cases} 35 16 \\ 65 54 \end{cases}$	$\begin{cases} 26 34 \\ 45 00 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \end{cases}$	$\begin{cases} 24 05 \\ " \end{cases}$	$\begin{cases} 24 05 \\ 54 44 \end{cases}$	$\begin{cases} 0° 5000 \\ 1° 0000 \end{cases}$	$\begin{cases} 0° 5000 \\ 2° 0000 \end{cases}$	$\begin{cases} 0° 7071 \\ 2° 2360 \end{cases}$
9	p	± 1	111	45 00	54 44	"	45 00	35 16	35 16	"	1° 0000	1° 4142
10	u	$\begin{cases} -\frac{1}{2} 1 \\ -2 \end{cases}$	$\begin{cases} 122 \\ 221 \end{cases}$	$\begin{cases} 26 34 \\ 45 00 \end{cases}$	$\begin{cases} 48 11 \\ 70 31 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \end{cases}$	$\begin{cases} " \\ 63 26 \end{cases}$	$\begin{cases} 19 28 \\ 41 48 \end{cases}$	$\begin{cases} 41 48 \\ " \end{cases}$	$\begin{cases} 0° 5000 \\ 2° 0000 \end{cases}$	$\begin{cases} " \\ 2° 0000 \end{cases}$	$\begin{cases} 1° 1180 \\ 2° 8284 \end{cases}$
11	ψ	$\begin{cases} \pm \frac{1}{2} \frac{1}{2} \\ \pm \frac{1}{2} 2 \\ \pm 24 \end{cases}$	$\begin{cases} 124 \\ 142 \\ 241 \end{cases}$	$\begin{cases} 26 34 \\ 14 02 \\ 26 34 \end{cases}$	$\begin{cases} 29 12 \\ 64 07 \\ 77 23 \end{cases}$	$\begin{cases} 14 02 \\ 26 34 \\ 63 26 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \\ 75 58 \end{cases}$	$\begin{cases} 12 36 \\ " \\ 25 52 \end{cases}$	$\begin{cases} 25 52 \\ 60 47 \\ " \end{cases}$	$\begin{cases} 0° 2500 \\ 0° 5000 \\ 2° 0000 \end{cases}$	$\begin{cases} 0° 5000 \\ 2° 0000 \\ 4° 0000 \end{cases}$	$\begin{cases} 0° 5590 \\ 2° 0615 \\ 4° 4721 \end{cases}$
12	z	$\begin{cases} +\frac{1}{3} \frac{3}{3} \\ +\frac{1}{3} \frac{3}{3} \\ +35 \end{cases}$	$\begin{cases} 135 \\ 153 \\ 351 \end{cases}$	$\begin{cases} 18 26 \\ 11 18 \\ 30 58 \end{cases}$	$\begin{cases} 32 18 \\ 59 32 \\ 80 16 \end{cases}$	$\begin{cases} 11 18 \\ 18 26 \\ 71 34 \end{cases}$	$\begin{cases} 30 58 \\ 59 02 \\ 78 41 \end{cases}$	$\begin{cases} 9 44 \\ " \\ 30 28 \end{cases}$	$\begin{cases} 30 28 \\ 57 41 \\ " \end{cases}$	$\begin{cases} 0° 2000 \\ 0° 3333 \\ 3° 0000 \end{cases}$	$\begin{cases} 0° 6000 \\ 1° 6667 \\ 5° 0000 \end{cases}$	$\begin{cases} 0° 6325 \\ 1° 6996 \\ 5° 8310 \end{cases}$

Beegerit.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{Bmatrix} 0 \\ \infty \end{Bmatrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	p	1	111	45 00	54 44	45 00	45 00	35 16	35 16	1'0000	1'0000	1'4142

Belonesit.**Tetragonal.**

$$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0.6605 \quad \lg c = 981987 \quad \lg a_0 = 018013 \quad a_0 = 1.5140$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	a	∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
2	m	∞	110	45 00	"	90 00	"	45 00	45 00	1'0000	"	"
3	p	1	111	"	43 03	33 26'	33 26'	28 51'	28 51'	0.6605	0.6605	0.9341

Bertrandid.**Rhomblech.**

$$\begin{aligned} a &= 0.5688 \quad \lg a = 975496 \quad \lg a_0 = 997877 \quad \lg p_0 = 002123 \quad a_0 = 0.9523 \quad p_0 = 1.0501 \\ c &= 0.5973 \quad \lg c = 977619 \quad \lg b_0 = 022381 \quad \lg q_0 = 977619 \quad b_0 = 1.6742 \quad q_0 = 0.5793 \end{aligned}$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	c	∞	010	0° 00'	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	h	3∞	310	79 16	"	"	90 00	79 16	10 44	5'2742'	∞	"
5	g	∞	110	60 22	"	"	"	60 22	29 38	1'7582	"	"
6	f	$\infty 3$	130	30 22'	"	"	"	30 22'	59 37'	0.5860	"	"
7	i	$0\frac{1}{2}$	049	0 00	14 52	0 00	14 52	0 00	14 52	0	0.2654	0.2654
8	e	01	011	"	30 51	"	30 51	"	30 51	"	0.5973	0.5973
9	η	02	021	"	50 04	"	50 04	"	50 04	"	1.1946	1.1946
10	d	03	031	"	60 50	"	60 50	"	60 50	"	1.7919	1.7919
11	δ	$\frac{1}{2}0$	102	90 00	27 42	27 42	0 00	27 42	0 00	0.5250	0	0.5250
12	x	$\frac{1}{2}3$	162	16 20	61 50	"	60 50	14 21	57 47	"	1.7917	1.8673

Beryll.

Hexagonal.

$$c = 0.8643 \quad \lg c = 993666 \quad \lg a_0 = 030190 \quad \lg p_0 = 976057 \quad a_0 = 2.0040 \quad p_0 = 0.5762 \quad (G_1)$$

No.	Buchstaben	Symb.	Bravais	φ	ρ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ρ
1	c	0	0001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	∞0	1010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	b	∞	1120	30°00	"	90°00	"	30°00	60°00	0.5773	"	"
4	ζ	13∞	13.1.14.0	3 40	"	"	"	3 40	86 20	0.0641	"	"
5	ε	5∞	5160	8 57	"	"	"	8 57	81 03	0.1575	"	"
6	i	2∞	2130	19 06	"	"	"	19 06	70 53	0.3464	"	"
7	q	1/2 0	1.0.1.14	0 00	2 21	0 00	2 21	0 00	2 21	0	0.0412	0.0412
8	ψ	1/2 0	1.0.1.12	"	2 45	"	2 45	"	2 45	"	0.0480	0.0480
9	τ	2/3 0	2025	"	12 58	"	12 58	"	12 58	"	0.2305	0.2305
10	π	1/2 0	1012	"	16 04	"	16 04	"	16 04	"	0.2881	0.2881
11	p	10	1011	"	29 57	"	29 57	"	29 57	"	0.5762	0.5762
12	r	3/2 0	3032	"	40 50	"	40 50	"	40 50	"	0.8643	0.8643
13	u	20	2021	"	49 03	"	49 03	"	49 03	"	1.1524	1.1524
14	θ	30	3031	"	59 57	"	59 57	"	59 57	"	1.7286	1.7286
15	λ	7/2 0	7072	"	63 37	"	63 37	"	63 37	"	2.0167	2.0167
16	t	40	4041	"	66 32	"	66 32	"	66 32	"	2.3058	2.3058
17	Ω	50	5051	"	70 51	"	70 51	"	70 51	"	2.8810	2.8810
18	x	15/2 0	15.0.15.2	"	76 58	"	76 58	"	76 58	"	4.3215	4.3215
19	T	12.0	12.0.12.1	"	81 46	"	81 46	"	81 46	"	6.9143	6.9143
20	e	32.0	39.0.39.2	"	84 55	"	84 55	"	84 55	"	1.1236	1.1236
21	ω	1/2 1	1.1.2.12	30 00	4 45	2 23	4 07	2 22	4 07	0.0416	0.0720	0.0832
22	q	3/10	3.3.6.10	"	16 40	8 31	14 32	8 14	14 23	0.1497	0.2593	0.2994
23	σ	1/3	1.1.2.3	"	18 24	9 26	16 04	9 05	15 52	0.1663	0.2881	0.3327
24	o	1/2 1	1122	"	26 31	14 00	23 22	12 54	22 45	0.2495	0.4321	0.4990
25	D	2/3 1	2243	"	33 38	18 24	29 57	16 05	28 40	0.3327	0.5762	0.6653
26	δ	5/7	5.5.10.7	"	35 29	19 37	31 41	16 52	30 11	0.3564	0.6173	0.7128
27	d	3/4 1	3364	"	36 49	20 31	32 57	17 26	31 51	0.3742	0.6482	0.7485
28	s	1	1121	"	44 56	26 31	40 50	20 41	37 43	0.4990	0.8643	0.9980
29	f	3	3361	"	71 32	56 15	68 54	28 18	55 13	1.4970	2.5928	2.9940
30	φ	6	6.6.12.1	"	80 31	71 32	79 05	29 33	58 40	2.9940	5.1857	5.9880
31	Δ	2 1/2	2133	19 06	26 56	9 26	25 39	8 31	25 20	0.1663	0.4802	0.5082
32	g	1 1/2	5165	8 57	32 41	5 42	32 22	4 49	32 14	0.0998	0.6338	0.6416
33	z	1 7/8	9.7.16.9	25 52	41 39	21 12	38 40	16 51	36 43	0.3881	0.8003	0.8894
34	A	8/7 1	8.7.15.7	27 48	46 56	26 31	43 26	19 55	40 16	0.4990	0.9466	1.0701
35	B	7 1/2 1	5494	26 20	48 22	"	45 14	19 21	42 03	"	1.0084	1.1251

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
36	v	21	2131	19° 06'	56° 44'	26° 31'	55° 14'	15° 53'	52° 11'	0'4990	1'4405	1'5245
37	n	31	3141	13 54	64 18	"	63 37	12 30	61 00	"	2 0167	2'0775
38	v	51	5161	8 57	72 41	"	72 29	8 32	70 34	"	3'1691	3'2082
39	m	$\frac{1}{2}1$	11'2'13'2	8 13	74 01	"	73 52	7 53	72 05	"	3'4572	3'4930
40	w	71	7181	6 35	77 03	"	76 58	6 25	75 30	"	4'3215	4'3502
41	β	11'1	11'1'12'1	4 18	81 26	"	81 25	4 15	80 25	"	6'6263	6'6451
42	y	13'1	13'1'14'1	3 40	82 41	"	82 40	3 38	81 49	"	7'7786	7'7946
43	h	19'1	19'1'20'1	2 32	84 55	"	84 54	2 32	84 19	"	11'236	11'247
44	γ	$\frac{1}{2}1$	7184	6 35	47 24	7 06	47 12	4 50	46 59	0'1247	1'0804	1'0870
45	z	$\frac{4}{3}3$	4263	19 06	45 28	18 24	43 50	13 29	42 20	0'3327	0'9603	1'0163
46	k	42	4261	"	71 50	44 56	70 51	18 07	63 52	0'9980	2'8810	3'0489
47	Σ	16'8	16'8'24'1	"	85 19	75 56	85 02	19 02	70 21	3'9920	11'524	12'106
48	X	$\frac{3}{5}\frac{2}{7}\frac{4}{8}$	26'24'50'5	23 25	80 35	67 20	79 45	23 05	64 52	2'3952	5'5315	6'0270
49	Ψ	$\frac{3}{5}\frac{2}{7}\frac{4}{8}$	9'7'16'8	25 52	45 01	23 35	42 00	17 58	39 31	0'4366	0'9003	1'0006

Beryllonit.

Rhombisch.

a = 0'5724	lg a = 975770	lg a ₀ = 001813	lg p ₀ = 998187	a ₀ = 1'0426	p ₀ = 0'9591
c = 0'5490	lg c = 973957	lg b ₀ = 026043	lg q ₀ = 973957	b ₀ = 1'8215	q ₀ = 0'5490

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90 00	"	90 00	"	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	g	4∞	410	81 51	"	"	90 00	81 51	8 08	6'9880	∞	"
5	h	3∞	310	79 12	"	"	"	79 12	10 48	5'2410	"	"
6	i	2∞	210	74 01	"	"	"	74 01	15 58	3'4940	"	"
7	j	$\frac{3}{2}\infty$	320	69 07	"	"	"	69 07	20 53	2'6204	"	"
8	m	$\frac{2}{3}\infty$	110	60 13	"	"	"	60 13	29 47	1'7470	"	"
9	k	$\infty\frac{3}{2}$	230	49 21	"	"	"	49 21	40 39	1'1646	"	"
10	l	∞2	120	41 08	"	"	"	41 08	48 52	0'8735	"	"
11	n	∞3	130	30 13	"	"	"	30 13	59 47	0'5823	"	"
12	o	∞4	140	23 35	"	"	"	23 35	66 24	0'4367	"	"

N ^o .	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
13	π	$\infty 5$	150	19° 15'	90° 00'	90° 00'	90° 00'	19° 15'	70° 44'	0.3494	∞	∞
14	p	$\infty 6$	160	16 14	"	"	"	16 14	73 46	0.2911	"	"
15	q	$\infty 12$	1'12'0	8 17	"	"	"	8 17	81 43	0.1456	"	"
16	a	$0 \frac{1}{2}$	014	0 00	7 49	0 00	7 49	0 00	7 49	0	0.1372	0.1372
17	β	$0 \frac{1}{3}$	013	"	10 22	"	10 22	"	10 22	"	0.1830	0.1830
18	γ	$0 \frac{1}{2}$	012	"	15 21	"	15 21	"	15 21	"	0.2745	0.2745
19	δ	$0 \frac{2}{3}$	023	"	20 06	"	20 06	"	20 06	"	0.3660	0.3660
20	ε	01	011	"	28 46	"	28 46	"	28 46	"	0.5490	0.5490
21	ζ	$0 \frac{3}{2}$	032	"	39 28	"	39 28	"	39 28	"	0.8235	0.8235
22	η	02	021	"	47 40	"	47 40	"	47 40	"	1.0980	1.0980
23	θ	03	031	"	58 44	"	58 44	"	58 44	"	1.6470	1.6470
24	κ	04	041	"	65 31	"	65 31	"	65 31	"	2.1960	2.1960
25	λ	05	051	"	69 59	"	69 59	"	69 59	"	2.7450	2.7450
26	μ	06	061	"	73 07	"	73 07	"	73 07	"	3.2940	3.2940
27	d	$\frac{1}{2}0$	102	90 00	25 37	25 37	0 00	25 37	0 00	0.4795	0	0.4795
28	e	10	101	"	43 48	43 48	"	43 48	"	0.9591	"	0.9591
29	f	20	201	"	62 28	62 28	"	62 28	"	1.9182	"	1.9182
30	ψ	$\frac{1}{2}$	112	60 13	28 55	25 37	15 21	24 49	13 54	0.4795	0.2745	0.5526
31	v	1	111	"	47 51	43 48	28 46	40 03	21 37	0.9590	0.5490	1.1051
32	s	2	221	"	65 39	62 28	47 40	52 15	26 55	1.9182	1.0980	2.2102
33	Δ	3	331	"	73 13	70 50	58 44	56 11	28 24	2.8773	1.6470	3.3154
34	u	$1 \frac{1}{2}$	212	74 01	44 56	43 48	15 21	42 46	11 12	0.9590	0.2745	0.9976
35	φ	$1 \frac{3}{2}$	232	49 21	51 39	"	39 28	36 31	30 43	"	0.8235	1.2641
36	w	12	121	41 08	55 33	"	47 40	32 51	38 24	"	1.0980	1.4579
37	x	13	131	30 13	62 19	"	58 44	26 27	49 55	"	1.6470	1.9059
38	y	14	141	23 35	67 21	"	65 31	21 40	57 45	"	2.1960	2.3963
39	z	15	151	19 15	71 01	"	69 59	18 10	63 13	"	2.7450	2.9077
40	ω	16	161	16 14	73 45	"	73 07	15 34	67 11	"	3.2940	3.4308
41	χ	$\frac{1}{2}1$	122	41 08	36 05	25 37	28 46	22 48	26 20	0.4795	0.5490	0.7289
42	r	21	211	74 01	63 23	62 28	"	59 15	14 14	1.9182	"	1.9952
43	R	41	411	81 51	75 32	75 23	"	73 26	7 53	3.8364	"	3.8754
44	t	23	231	49 21	68 25	62 28	58 44	44 52	37 17	1.9182	1.6470	2.5282
45	τ	$\frac{1}{3}2$	163	16 14	48 50	17 44	47 40	12 09	46 17	0.3197	1.0980	1.1436
46	Q	$\frac{1}{2}2$	142	23 35	50 09	25 37	"	17 53	44 43	0.4795	"	1.1981
47	T	$\frac{4}{2}$	421	74 01	75 56	75 23	"	68 50	15 29	3.8364	"	3.9904
48	σ	$\frac{1}{2}2$	132	30 13	43 37	25 37	39 28	20 19	36 36	0.4795	0.8235	0.9530
49	ϱ	$\frac{1}{3}2$	123	41 08	25 55	17 44	20 06	16 42	19 13	0.3197	0.3660	4.8595

Berzeliit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{matrix} 012 \\ 021 \\ 120 \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ " \end{matrix}$	$\begin{matrix} " \\ " \\ 0.5000 \end{matrix}$	$\begin{matrix} 0.5000 \\ 2.0000 \\ \infty \end{matrix}$	$\begin{matrix} 0.5000 \\ 2.0000 \\ \infty \end{matrix}$
3	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1.0000 \end{matrix}$	$\begin{matrix} 1.0000 \\ \infty \end{matrix}$	$\begin{matrix} 1.0000 \\ \infty \end{matrix}$
4	q	$\begin{cases} \frac{1}{2} \\ 12 \end{cases}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0.5000 \\ 1.0000 \end{matrix}$	$\begin{matrix} 0.5000 \\ 2.0000 \end{matrix}$	$\begin{matrix} 0.7071 \\ 2.2360 \end{matrix}$

Beudantit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 1.1842 \quad \lg c = 0.07342 \quad \lg a_0 = 0.16514 \quad \lg p_0 = 9.89733 \quad a_0 = 1.4626 \quad p_0 = 0.7895 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	0	0	0
2	V v	± 5	$5.5.10.1$	$30^\circ 00'$	$81^\circ 40'$	$73^\circ 41'$	$80^\circ 25'$	$29^\circ 39'$	$58^\circ 58'$	3.4185	5.9209	6.8369
3	u	-4	$4.4.8.1$	"	$79^\circ 38'$	$69^\circ 55'$	$78^\circ 05'$	$29^\circ 28'$	$58^\circ 25'$	2.7347	4.7368	5.4695
4	t	$-\frac{3}{2}$	$5.5.10.2$	"	$73^\circ 41'$	$59^\circ 40'$	$71^\circ 20'$	$28^\circ 40'$	$56^\circ 13'$	1.7092	2.9605	3.4185
5	s	-2	$2.2.4.1$	"	$69^\circ 55'$	$53^\circ 49'$	$67^\circ 06'$	$28^\circ 00'$	$54^\circ 25'$	1.3674	2.3684	2.7348
6	R r	± 1	$1.1.2.1$	"	$53^\circ 49'$	$34^\circ 21'$	$49^\circ 49'$	$23^\circ 48'$	$44^\circ 21'$	0.6837	1.1842	1.3674

Beyrichit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 0.3277 \quad \lg c = 9.51548 \quad \lg a_0 = 0.72306 \quad \lg p_0 = 9.33939 \quad a_0 = 5.2852 \quad p_0 = 0.2185 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	a	∞	1010	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	0	∞	∞
2	b	∞	1120	$30^\circ 00'$	"	$90^\circ 00'$	"	$30^\circ 00'$	$60^\circ 00'$	0.5773	"	"
3	i	2∞	2130	$19^\circ 06'$	"	"	"	$19^\circ 06'$	$70^\circ 53'$	0.3464	"	"
4	r	$+\frac{1}{2}$	1121	$30^\circ 00'$	$20^\circ 43'$	$10^\circ 43'$	$18^\circ 08'$	$10^\circ 11'$	$17^\circ 51'$	0.1892	0.3277	0.3784
5	e	$-\frac{1}{2}$	1122	"	$10^\circ 43'$	$5^\circ 24'$	$9^\circ 18'$	$5^\circ 20'$	$9^\circ 16'$	0.0946	0.1638	0.1892

Bieberit.**Monoklin.**

a = 1'1814	lg a = 007240	lg a ₀ = 988705	lg p ₀ = 011294	a ₀ = 0'7710	p ₀ = 1'2970
c = 1'5323	lg c = 018534	lg b ₀ = 981465	lg q ₀ = 017095	b ₀ = 0'6526	q ₀ = 1'4824
$\mu_{180} = \beta \} 75^\circ 20'$	$\lg h = \} 998561$ $\lg \sin \mu$	$\lg e = \} 940346$ $\lg \cos \mu$	$\lg \frac{p_0}{q_0} = 994199$	h = 0'9674	e = 0'2532

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90°00	14°40	14°40	0°00	14°40	0°00	0'2617	0	0'2617
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	m	∞	110	41 11	"	90 00	"	41 11	48 49	0'8749	"	"
4	e	0 $\frac{1}{3}$	013	27 08	29 51	14 40	27 03	13 07	26 17	0'2617	0'5107	0'5739
5	o	01	011	9 41	57 15	"	56 52	8 08	56 00	"	1'5323	1'5545
6	f	+ $\frac{1}{3}$ 0	103	90 00	35 19	35 19	0 00	35 19	0 00	0'7086	0	0'7086
7	v	+10	101	"	58 02	58 02	"	58 02	"	1'6025	"	1'6025
8	t	-10	101	90 00	47 10	47 10	"	47 10	"	1'0790	"	1'0790
9	n	+12	121	27 36	73 52	58 02	71 55	26 26	58 21	1'6024	3'0646	3'4582
10	p	+1	111	46 17	65 43	"	56 52	41 12	39 03	"	1'5323	2'2171
11	r	-12	121	19 24	72 53	47 10	71 55	18 30	64 21	1'0790	3'0646	3'2489

Binnit.**Regulär. Tetraedrisch-hemiedrisch.**

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} - \\ 0^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 011 \\ 110 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 45 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 45 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 1'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 1'0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 1'0000 \\ \infty \end{array} \right.$
3	μ	$\left\{ \begin{array}{l} \frac{1}{\sqrt{3}} \\ 1'10 \end{array} \right.$	$\left\{ \begin{array}{l} 1'1'10 \\ 1'10'1 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 5 42' \end{array} \right.$	$\left\{ \begin{array}{l} 8 03 \\ 84 19 \end{array} \right.$	$\left\{ \begin{array}{l} 5 42' \\ 45 00 \end{array} \right.$	$\left\{ \begin{array}{l} 5 42' \\ 84 17' \end{array} \right.$	$\left\{ \begin{array}{l} 5 41 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 5 41 \\ 81 57 \end{array} \right.$	$\left\{ \begin{array}{l} 0'1000 \\ 1'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'1000 \\ 10'000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'1414 \\ 10'050 \end{array} \right.$
4	s	$\left\{ \begin{array}{l} \frac{1}{2} \\ 17 \end{array} \right.$	$\left\{ \begin{array}{l} 117 \\ 171 \end{array} \right.$	$\left\{ \begin{array}{l} 45 00 \\ 8 08 \end{array} \right.$	$\left\{ \begin{array}{l} 11 25' \\ 81 57 \end{array} \right.$	$\left\{ \begin{array}{l} 8 07' \\ 45 00 \end{array} \right.$	$\left\{ \begin{array}{l} 8 07' \\ 81 52 \end{array} \right.$	$\left\{ \begin{array}{l} 8 03 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 8 03 \\ 78 35' \end{array} \right.$	$\left\{ \begin{array}{l} 0'1429 \\ 1'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'1429 \\ 7'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'2020 \\ 7'0710 \end{array} \right.$
5	r	$\left\{ \begin{array}{l} \frac{1}{6} \\ 16 \end{array} \right.$	$\left\{ \begin{array}{l} 116 \\ 161 \end{array} \right.$	$\left\{ \begin{array}{l} 45 00 \\ 9 27' \end{array} \right.$	$\left\{ \begin{array}{l} 13 15' \\ 80 40 \end{array} \right.$	$\left\{ \begin{array}{l} 9 27' \\ 45 00 \end{array} \right.$	$\left\{ \begin{array}{l} 9 27' \\ 80 32 \end{array} \right.$	$\left\{ \begin{array}{l} 9 20 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 9 20 \\ 76 44 \end{array} \right.$	$\left\{ \begin{array}{l} 0'1667 \\ 1'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'1667 \\ 6'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'2357 \\ 6'0827 \end{array} \right.$
6	k	$\left\{ \begin{array}{l} \frac{1}{4} \\ 14 \end{array} \right.$	$\left\{ \begin{array}{l} 114 \\ 141 \end{array} \right.$	$\left\{ \begin{array}{l} 45 00 \\ 14 02 \end{array} \right.$	$\left\{ \begin{array}{l} 19 28 \\ 76 22 \end{array} \right.$	$\left\{ \begin{array}{l} 14 02 \\ 45 00 \end{array} \right.$	$\left\{ \begin{array}{l} 14 02 \\ 75 58 \end{array} \right.$	$\left\{ \begin{array}{l} 13 38 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 13 38 \\ 70 32 \end{array} \right.$	$\left\{ \begin{array}{l} 0'2500 \\ 1'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'2500 \\ 4'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'3535 \\ 4'1231 \end{array} \right.$
7	q	$\left\{ \begin{array}{l} \frac{1}{2} \\ 12 \end{array} \right.$	$\left\{ \begin{array}{l} 112 \\ 121 \end{array} \right.$	$\left\{ \begin{array}{l} 45 00 \\ 26 34 \end{array} \right.$	$\left\{ \begin{array}{l} 35 16 \\ 65 54' \end{array} \right.$	$\left\{ \begin{array}{l} 26 34 \\ 45 00 \end{array} \right.$	$\left\{ \begin{array}{l} 26 34 \\ 63 26 \end{array} \right.$	$\left\{ \begin{array}{l} 24 05' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 24 05' \\ 54 44 \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 1'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 2'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'7071 \\ 2'2360 \end{array} \right.$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =lg ϱ
8	p	1	111	45° 00	54° 44	45° 00	45° 00	35° 16	35° 16	1'0000	1'0000	1'4142
9	φ	$\left\{ \begin{smallmatrix} \frac{1}{2} 1 \\ 4 \end{smallmatrix} \right.$	144	14 02	45 52	14 02	"	10 01	44 08	0'2500	"	1'0308
			441	45 00	79 58	75 58	75 58	44 08	"	4'0000	4'0000	5'6567
10	w	$\left\{ \begin{smallmatrix} \frac{2}{3} 1 \\ \frac{3}{2} \end{smallmatrix} \right.$	233	33 41	50 14	33 41	45 00	25 14	39 45	0'6667	1'0000	1'2019
			332	45 00	64 45	56 18	56 18	39 45	"	1'5000	1'5000	2'1213
11	x	$\left\{ \begin{smallmatrix} \frac{1}{2} \frac{2}{3} \\ \frac{1}{2} \frac{3}{2} \\ 23 \end{smallmatrix} \right.$	123	26 34	36 42	18 26	33 41	15 30	32 18	0'3333	0'6667	0'7453
			132	18 26	57 41	26 34	56 18	"	53 18	0'5000	1'5000	1'5811
			231	33 41	74 30	63 26	71 34	32 18	"	2'0000	3'0000	3'6055

Bismit.**Rhombeisch.**

a = 0'8166	lg a = 991201	lg a ₀ = 970863	lg p ₀ = 029137	a ₀ = 0'5112	p ₀ = 1'9560
c = 1'5973	lg c = 020338	lg b ₀ = 979662	lg q ₀ = 020338	b ₀ = 0'6261	q ₀ = 1'5973

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =lg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	∞	110	50° 46	90 00	90 00	90 00	50 46	39 14	1'2246	∞	∞
3	q	$0\frac{1}{2}$	012	0 00	38 36	0 00	38 36	0 00	38 36	0	0'7986	0'7986
4	r	$0\frac{2}{3}$	023	"	46 48	"	46 48	"	46 48	"	1'0649	1'0649
5	s	01	011	"	57 57	"	57 57	"	57 57	"	1'5973	1'5973
6	t	02	021	"	72 37	"	72 37	"	72 37	"	3'1946	3'1946

Blei.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =lg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
		∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
2	f	$0\frac{1}{2}$	014	"	14 02	"	14 02	"	14 02	"	0'2500	0'2500
		04	041	"	75 58	"	75 58	"	75 58	"	4'0000	4'0000
		$\infty 4$	140	14 02	90 00	90 00	90 00	14 02	"	0'2500	∞	∞
3	d	01	011	0 00	45 00	0 00	45 00	0 00	45 00	0	1'0000	1'0000
		∞	110	45 00	90 00	90 00	90 00	45 00	"	1'0000	∞	∞
4	q	$\frac{1}{2}$	112	"	35 16	26 34	26 34	24 05	24 05	0'5000	0'5000	0'7071
		12	121	26 34	65 54	45 00	63 26	"	54 44	1'0000	2'0000	2'2300
5	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
6	A	$\frac{1}{2} 1$	155	11 18	45 34	11 18	"	8 03	44 26	0'2000	"	1'0198
		5	551	45 00	81 57	78 41	78 41	44 26	"	5'0000	5'0000	7'0710

Bleiglanz.

Regulär.

N ^o .	Buch- staben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ρ
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\begin{array}{l} 001 \\ 010 \end{array}$	$\begin{array}{l} - \\ 0^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0 \\ " \end{array}$	$\begin{array}{l} 0 \\ \infty \end{array}$	$\begin{array}{l} 0 \\ \infty \end{array}$
2	a	$\left\{ \begin{array}{l} 0\frac{1}{10} \\ 0^\circ 10' \\ \infty 10 \end{array} \right.$	$\begin{array}{l} 0^\circ 1' 10'' \\ 0^\circ 10' 1'' \\ 1^\circ 10' 0'' \end{array}$	$\begin{array}{l} " \\ " \\ 5^\circ 42' \end{array}$	$\begin{array}{l} 5^\circ 42' \\ 84^\circ 17' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} " \\ " \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 5^\circ 42' \\ 84^\circ 17' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} " \\ " \\ 5^\circ 42' \end{array}$	$\begin{array}{l} 5^\circ 42' \\ 84^\circ 17' \\ " \end{array}$	$\begin{array}{l} " \\ " \\ 0^\circ 1' 000'' \end{array}$	$\begin{array}{l} 0^\circ 1' 000'' \\ 10^\circ 0' 000'' \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 1' 000'' \\ 10^\circ 0' 000'' \\ \infty \end{array}$
3	a	$\left\{ \begin{array}{l} 0\frac{1}{3} \\ 03 \\ \infty 3 \end{array} \right.$	$\begin{array}{l} 013 \\ 031 \\ 130 \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 18^\circ 26' \end{array}$	$\begin{array}{l} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 18^\circ 26' \end{array}$	$\begin{array}{l} 18^\circ 26' \\ 71^\circ 34' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 3' 333'' \end{array}$	$\begin{array}{l} 0^\circ 3' 333'' \\ 3^\circ 0' 000'' \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 3' 333'' \\ 3^\circ 0' 000'' \\ \infty \end{array}$
4	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	$\begin{array}{l} 011 \\ 110 \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 45^\circ 00' \\ " \end{array}$	$\begin{array}{l} 0 \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 1^\circ 0' 000'' \\ \infty \end{array}$	$\begin{array}{l} 1^\circ 0' 000'' \\ \infty \end{array}$
5	β	$\left\{ \begin{array}{l} \frac{1}{36} \\ 1^\circ 36' \end{array} \right.$	$\begin{array}{l} 1^\circ 1' 36'' \\ 1^\circ 36' 1'' \end{array}$	$\begin{array}{l} " \\ 1^\circ 35' \end{array}$	$\begin{array}{l} 2^\circ 15' \\ 88^\circ 24' \end{array}$	$\begin{array}{l} 1^\circ 35' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 1^\circ 35' \\ 88^\circ 24' \end{array}$	$\begin{array}{l} 1^\circ 35' \\ " \end{array}$	$\begin{array}{l} 1^\circ 35' \\ 87^\circ 45' \end{array}$	$\begin{array}{l} 0^\circ 2' 67'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 2' 67'' \\ 36^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 3' 93'' \\ 36^\circ 0' 14'' \end{array}$
6	γ	$\left\{ \begin{array}{l} \frac{1}{15} \\ 1^\circ 15' \end{array} \right.$	$\begin{array}{l} 1^\circ 1' 15'' \\ 1^\circ 15' 1'' \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 3^\circ 49' \end{array}$	$\begin{array}{l} 5^\circ 23' \\ 86^\circ 11' \end{array}$	$\begin{array}{l} 3^\circ 49' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 3^\circ 49' \\ 86^\circ 11' \end{array}$	$\begin{array}{l} 3^\circ 48' \\ " \end{array}$	$\begin{array}{l} 3^\circ 48' \\ 84^\circ 37' \end{array}$	$\begin{array}{l} 0^\circ 6' 67'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 6' 67'' \\ 15^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 9' 43'' \\ 15^\circ 0' 33'' \end{array}$
7	ν	$\left\{ \begin{array}{l} \frac{1}{12} \\ 1^\circ 12' \end{array} \right.$	$\begin{array}{l} 1^\circ 1' 12'' \\ 1^\circ 12' 1'' \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 4^\circ 46' \end{array}$	$\begin{array}{l} 6^\circ 43' \\ 85^\circ 15' \end{array}$	$\begin{array}{l} 4^\circ 45' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 4^\circ 45' \\ 85^\circ 14' \end{array}$	$\begin{array}{l} 4^\circ 45' \\ " \end{array}$	$\begin{array}{l} 4^\circ 45' \\ 83^\circ 17' \end{array}$	$\begin{array}{l} 0^\circ 8' 33'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 8' 33'' \\ 12^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 11' 79'' \\ 12^\circ 0' 41'' \end{array}$
8	μ	$\left\{ \begin{array}{l} \frac{1}{10} \\ 1^\circ 10' \end{array} \right.$	$\begin{array}{l} 1^\circ 1' 10'' \\ 1^\circ 10' 1'' \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 5^\circ 42' \end{array}$	$\begin{array}{l} 8^\circ 03' \\ 84^\circ 19' \end{array}$	$\begin{array}{l} 5^\circ 42' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 5^\circ 42' \\ 84^\circ 17' \end{array}$	$\begin{array}{l} 5^\circ 41' \\ " \end{array}$	$\begin{array}{l} 5^\circ 41' \\ 81^\circ 57' \end{array}$	$\begin{array}{l} 0^\circ 1' 000'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 1' 000'' \\ 10^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 14' 14'' \\ 10^\circ 0' 50'' \end{array}$
9	θ	$\left\{ \begin{array}{l} \frac{1}{19} \\ 19 \end{array} \right.$	$\begin{array}{l} 119 \\ 191 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 6^\circ 20' \end{array}$	$\begin{array}{l} 8^\circ 56' \\ 83^\circ 42' \end{array}$	$\begin{array}{l} 6^\circ 20' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 6^\circ 20' \\ 83^\circ 39' \end{array}$	$\begin{array}{l} 6^\circ 18' \\ " \end{array}$	$\begin{array}{l} 6^\circ 18' \\ 81^\circ 04' \end{array}$	$\begin{array}{l} 0^\circ 11' 11'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 11' 11'' \\ 9^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 15' 71'' \\ 9^\circ 0' 552'' \end{array}$
10	x	$\left\{ \begin{array}{l} \frac{2}{15} \\ 1^\circ 15' \end{array} \right.$	$\begin{array}{l} 2^\circ 2' 15'' \\ 2^\circ 15' 2'' \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 7^\circ 35' \end{array}$	$\begin{array}{l} 10^\circ 40' \\ 82^\circ 28' \end{array}$	$\begin{array}{l} 7^\circ 35' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 7^\circ 35' \\ 82^\circ 24' \end{array}$	$\begin{array}{l} 7^\circ 31' \\ " \end{array}$	$\begin{array}{l} 7^\circ 31' \\ 79^\circ 20' \end{array}$	$\begin{array}{l} 0^\circ 13' 33'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 13' 33'' \\ 7^\circ 5' 000'' \end{array}$	$\begin{array}{l} 0^\circ 18' 86'' \\ 7^\circ 5' 662'' \end{array}$
11	r	$\left\{ \begin{array}{l} \frac{1}{16} \\ 16 \end{array} \right.$	$\begin{array}{l} 116 \\ 161 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 9^\circ 27' \end{array}$	$\begin{array}{l} 13^\circ 15' \\ 80^\circ 40' \end{array}$	$\begin{array}{l} 9^\circ 27' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 9^\circ 27' \\ 80^\circ 32' \end{array}$	$\begin{array}{l} 9^\circ 20' \\ " \end{array}$	$\begin{array}{l} 9^\circ 20' \\ 76^\circ 44' \end{array}$	$\begin{array}{l} 0^\circ 16' 67'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 16' 67'' \\ 6^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 23' 57'' \\ 6^\circ 0' 827'' \end{array}$
12	l	$\left\{ \begin{array}{l} \frac{1}{15} \\ 15 \end{array} \right.$	$\begin{array}{l} 115 \\ 151 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 11^\circ 18' \end{array}$	$\begin{array}{l} 15^\circ 47' \\ 78^\circ 54' \end{array}$	$\begin{array}{l} 11^\circ 18' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 11^\circ 18' \\ 78^\circ 41' \end{array}$	$\begin{array}{l} 11^\circ 06' \\ " \end{array}$	$\begin{array}{l} 11^\circ 06' \\ 74^\circ 12' \end{array}$	$\begin{array}{l} 0^\circ 2' 000'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 2' 000'' \\ 5^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 28' 28'' \\ 5^\circ 0' 989'' \end{array}$
13	k	$\left\{ \begin{array}{l} \frac{1}{14} \\ 14 \end{array} \right.$	$\begin{array}{l} 114 \\ 141 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 14^\circ 02' \end{array}$	$\begin{array}{l} 19^\circ 28' \\ 76^\circ 22' \end{array}$	$\begin{array}{l} 14^\circ 02' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 14^\circ 02' \\ 75^\circ 58' \end{array}$	$\begin{array}{l} 13^\circ 38' \\ " \end{array}$	$\begin{array}{l} 13^\circ 38' \\ 70^\circ 32' \end{array}$	$\begin{array}{l} 0^\circ 25' 00'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 25' 00'' \\ 4^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 35' 35'' \\ 4^\circ 1' 231'' \end{array}$
14	m	$\left\{ \begin{array}{l} \frac{1}{13} \\ 13 \end{array} \right.$	$\begin{array}{l} 113 \\ 131 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 18^\circ 26' \end{array}$	$\begin{array}{l} 25^\circ 14' \\ 72^\circ 27' \end{array}$	$\begin{array}{l} 18^\circ 26' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 18^\circ 26' \\ 71^\circ 34' \end{array}$	$\begin{array}{l} 17^\circ 33' \\ " \end{array}$	$\begin{array}{l} 17^\circ 33' \\ 64^\circ 45' \end{array}$	$\begin{array}{l} 0^\circ 33' 33'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 33' 33'' \\ 3^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 47' 14'' \\ 3^\circ 1' 623'' \end{array}$
15	q	$\left\{ \begin{array}{l} \frac{1}{12} \\ 12 \end{array} \right.$	$\begin{array}{l} 112 \\ 121 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 26^\circ 34' \end{array}$	$\begin{array}{l} 35^\circ 16' \\ 65^\circ 54' \end{array}$	$\begin{array}{l} 26^\circ 34' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 26^\circ 34' \\ 63^\circ 26' \end{array}$	$\begin{array}{l} 24^\circ 05' \\ " \end{array}$	$\begin{array}{l} 24^\circ 05' \\ 54^\circ 44' \end{array}$	$\begin{array}{l} 0^\circ 5' 000'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 5' 000'' \\ 2^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 7' 071'' \\ 2^\circ 2' 360'' \end{array}$
16	n	$\left\{ \begin{array}{l} \frac{2}{13} \\ 13 \end{array} \right.$	$\begin{array}{l} 223 \\ 232 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 33^\circ 41' \end{array}$	$\begin{array}{l} 43^\circ 19' \\ 60^\circ 59' \end{array}$	$\begin{array}{l} 33^\circ 41' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 33^\circ 41' \\ 56^\circ 18' \end{array}$	$\begin{array}{l} 29^\circ 01' \\ " \end{array}$	$\begin{array}{l} 29^\circ 01' \\ 46^\circ 41' \end{array}$	$\begin{array}{l} 0^\circ 66' 67'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 66' 67'' \\ 1^\circ 5' 000'' \end{array}$	$\begin{array}{l} 0^\circ 94' 28'' \\ 1^\circ 8' 028'' \end{array}$
17	t	$\left\{ \begin{array}{l} \frac{2}{13} \\ 13 \end{array} \right.$	$\begin{array}{l} 334 \\ 343 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 36^\circ 52' \end{array}$	$\begin{array}{l} 46^\circ 41' \\ 59^\circ 02' \end{array}$	$\begin{array}{l} 36^\circ 52' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 36^\circ 52' \\ 53^\circ 08' \end{array}$	$\begin{array}{l} 30^\circ 58' \\ " \end{array}$	$\begin{array}{l} 30^\circ 58' \\ 43^\circ 19' \end{array}$	$\begin{array}{l} 0^\circ 75' 00'' \\ 1^\circ 0' 000'' \end{array}$	$\begin{array}{l} 0^\circ 75' 00'' \\ 1^\circ 33' 33'' \end{array}$	$\begin{array}{l} 1^\circ 06' 06'' \\ 1^\circ 66' 67'' \end{array}$

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
18	p	1	111	45°00	54°44	45°00	45°00	35°16	35°16	1'0000	1'0000	1'4142
19	A	$\left\{ \frac{1}{5} \right.$	155	11 18'	45 33'	11 18'	"	8 03	44 26'	0'2000	"	1'0198
			551	45 00	81 57	78 41'	78 41'	44 26'	"	5'0000	5'0000	7'0710
20	φ	$\left\{ \frac{1}{4} \right.$	144	14 02	45 52'	14 02	45 00	10 01'	44 08'	0'2500	1'0000	1'0308
			441	45 00	79 58'	75 58	75 58	44 08	"	4'0000	4'0000	5'6567
21	v	$\left\{ \frac{1}{3} \right.$	133	18 26	46 30'	18 26	45 00	13 16	43 29'	0'3333	1'0000	1'0541
			331	45 00	76 44	71 34	71 34	43 29'	"	3'0000	3'0000	4'2420
22	u	$\left\{ \frac{1}{2} \right.$	122	26 34	48 11'	26 34	45 00	19 28	41 48'	0'5000	1'0000	1'1180
			221	45 00	70 31'	63 26	63 26	41 48'	"	2'0000	2'0000	2'8284
23	ψ	$\left\{ \frac{4}{7} \right.$	477	29 44'	49 02	29 44'	45 00	22 00	40 58'	0'5714	1'0000	1'1517
			774	45 00	68 00	60 15'	60 15'	40 58	"	1'7500	1'7500	2'4748
24	z	$\left\{ \frac{4}{5} \right.$	455	38 39'	52 01	38 39'	45 00	29 30	37 59	0'8000	1'0000	1'2807
			554	45 00	60 30	51 20'	51 20'	37 59	"	1'2500	1'2500	1'7677
25	Ω	$\left\{ \frac{1}{4} \right.$	128	26 34	15 37	7 07'	14 02	6 55	13 56	0'1250	0'2500	0'2795
			182	7 07'	76 04	26 34	75 58	"	74 23	0'5000	4'0000	4'0311
			281	14 02	83 05	63 26	82 52'	13 56	"	2'0000	8'0000	8'2462
26	x	$\left\{ \frac{1}{3} \right.$	123	26 34	36 42	18 26	33 41'	15 30	32 18'	0'3333	0'6667	0'7453
			132	18 26	57 41'	26 34	56 18'	"	53 18	0'5000	1'5000	1'5811
			231	33 41'	74 30	63 26	71 34	32 18'	"	2'0000	3'0000	3'6055

Bleioxyd.

Rhombisch.

a = 0'6706	lg a = 982646	lg a ₀ = 983684	lg p ₀ = 016316	a ₀ = 0.6860	p ₀ = 1.4560
c = 0'9764	lg c = 998963	lg b ₀ = 001037	lg q ₀ = 998963	b ₀ = 1.0242	q ₀ = 0.9764

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	b	∞0	100	90°00	90 00	90 00	"	90 00	"	∞	"	∞
3	a	0 $\frac{1}{2}$	012	0 00	26 01'	0 00	26 01'	0 00	26 01'	0	0'4882	0'4882
4	r	1	111	56 09	60 18	55 31	44 19	46 10'	28 56	1'4560	0'9764	1'7531
5	t	$\frac{2}{3}$	233	44 50	54 00	44 09	"	34 47	35 01	0'9706	"	1'3768
6	s	$\frac{4}{3}$	455	50 01'	56 39'	49 21	"	39 48'	32 27'	1'1648	"	1'5199

Blödit.

Monoklin.

$a = 1.3494$	$\lg a = 0.13014$	$\lg a_0 = 0.30374$	$\lg p_0 = 9.69626$	$a_0 = 2.0125$	$p_0 = 0.4969$
$c = 0.6705$	$\lg c = 9.82640$	$\lg b_0 = 0.17360$	$\lg q_0 = 9.81888$	$b_0 = 1.4914$	$q_0 = 0.6590$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 79^\circ 22'$	$\left. \begin{matrix} \lg h \\ \lg \sin \mu \end{matrix} \right\} 9.99248$	$\left. \begin{matrix} \lg e \\ \lg \cos \mu \end{matrix} \right\} 9.26605$	$\lg \frac{p_0}{q_0} = 9.87738$	$h = 0.9828$	$e = 0.1845$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x'}{(Prismen)} (x:y)$	y'	$d' = \operatorname{tge}$
1	c	0	001	90° 00'	10° 38'	10° 38'	0° 00'	10° 38'	0° 00'	0.1877	0	0.1877
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	λ	3∞	310	66 09	"	"	90 00	66 09	23 51	2.2620	∞	"
5	n	2∞	210	56 27	"	"	"	56 27	33 33	1.5080	"	"
6	l	$\frac{3}{2}\infty$	320	48 31	"	"	"	48 31	41 29	1.1310	"	"
7	m	$\frac{1}{2}\infty$	110	37 01	"	"	"	37 01	52 59	0.7540	"	"
8	r	$\frac{1}{4}\infty$	450	31 06	"	"	"	31 06	58 54	0.6032	"	"
9	v	∞2	120	20 39'	"	"	"	20 39'	69 20'	0.3770	"	"
10	μ	∞3	130	14 06'	"	"	"	14 06'	75 53'	0.2513	"	"
11	d	01	011	15 38'	34 51	10 38	33 50'	8 52	33 23	0.1877	0.6705	0.6963
12	e	02	021	7 58	53 33	"	53 17'	6 24	52 48'	"	1.3410	1.3541
13	r	-10	101	90 00	17 38	17 38	0 00	17 38	0 00	0.3178	0	0.3178
14	q	-20	201	"	39 28	39 28	"	39 28	"	0.8234	"	0.8234
15	p	+1	111	45 57'	43 58	34 44	33 50'	29 56	28 51'	0.6933	0.6705	0.9645
16	t	-31	311	63 13'	56 06'	53 02'	"	47 49'	21 57'	1.3290	"	1.4886
17	s	-21	211	50 50'	46 43	39 28	"	34 22	27 22	0.8234	"	1.0619
18	u	-1	111	35 22	36 34'	17 38	"	14 47'	32 35	0.3178	"	0.7420
19	f	$-\frac{1}{2}$	144	5 13'	33 57	3 30'	"	2 55	33 47'	0.0613	"	0.6733
20	z	+13	131	19 01	64 49'	34 44	63 34	17 09	58 50	0.6933	2.0115	2.1276
21	o	+12	121	27 20	56 28'	"	53 17	22 30'	47 46'	"	1.3410	1.5096
22	v	$-\frac{1}{2}$	212	43 28'	24 48	17 38	"	18 32	16 48'	0.3178	0.3352	0.4620
23	x	-12	121	13 20	54 02	"	53 17	10 45'	51 57'	"	1.3410	1.3782
24	y	-2	221	31 33	57 34	39 28	"	26 12'	45 59'	0.8234	"	1.5737
25	w	$-\frac{1}{2}$	112	10 59	18 51'	3 43'	18 32	3 32	18 30	0.0651	0.3352	0.3415

Boleit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ρ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \sim \end{matrix}$
2	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{matrix} 012 \\ 021 \\ 120 \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ " \end{matrix}$	$\begin{matrix} " \\ " \\ 0^\circ 5000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \sim \end{matrix}$
3	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
4	p	I	111	"	54^\circ 44'	45^\circ 00'	45^\circ 00'	35^\circ 16'	35^\circ 16'	"	1^\circ 0000	1^\circ 4142

Boracit.

Regulär. Tetraedrisch-hemiedrisch.

No.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ρ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	f	$\begin{cases} 0\frac{1}{2} \\ 04 \\ \infty 4 \end{cases}$	$\begin{matrix} 014 \\ 041 \\ 140 \end{matrix}$	$\begin{matrix} " \\ " \\ 14^\circ 02' \end{matrix}$	$\begin{matrix} 14^\circ 02' \\ 75^\circ 58' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 14^\circ 02' \\ 75^\circ 58' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ 75^\circ 58' \\ 14^\circ 02' \end{matrix}$	$\begin{matrix} 14^\circ 02' \\ 75^\circ 58' \\ " \end{matrix}$	$\begin{matrix} " \\ 0^\circ 2500 \end{matrix}$	$\begin{matrix} 0^\circ 2500 \\ 4^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 2500 \\ 4^\circ 0000 \\ \infty \end{matrix}$
3	a	$\begin{cases} 0\frac{1}{2} \\ 03 \\ \infty 3 \end{cases}$	$\begin{matrix} 013 \\ 031 \\ 130 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ " \end{matrix}$	$\begin{matrix} 0 \\ 0^\circ 3333 \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{matrix}$
4	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
5	qq.	$\begin{cases} \pm \frac{1}{2} \\ \pm 12 \end{cases}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7071 \\ 2^\circ 2360 \end{matrix}$
6	pp.	± 1	111	45^\circ 00'	54^\circ 44'	"	45^\circ 00'	35^\circ 16'	35^\circ 16'	"	1^\circ 0000	1^\circ 4142
7	II.	$\begin{cases} -\frac{1}{16} \\ 16 \cdot 16 \end{cases}$	$\begin{matrix} 116 \cdot 16 \\ 16 \cdot 16 \cdot 1 \end{matrix}$	$\begin{matrix} 3^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 03' \\ 87^\circ 28' \end{matrix}$	$\begin{matrix} 3^\circ 34' \\ 86^\circ 25' \end{matrix}$	$\begin{matrix} " \\ 86^\circ 25' \end{matrix}$	$\begin{matrix} 2^\circ 32' \\ 44^\circ 56' \end{matrix}$	$\begin{matrix} 44^\circ 56' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 0625 \\ 16^\circ 0000 \end{matrix}$	$\begin{matrix} " \\ 16^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0019 \\ 22^\circ 627' \end{matrix}$
8	C.	$\begin{cases} -\frac{1}{8} \\ -8 \end{cases}$	$\begin{matrix} 188 \\ 881 \end{matrix}$	$\begin{matrix} 7^\circ 07' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 13' \\ 84^\circ 57' \end{matrix}$	$\begin{matrix} 7^\circ 07' \\ 82^\circ 52' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 82^\circ 52' \end{matrix}$	$\begin{matrix} 5^\circ 03' \\ 44^\circ 46' \end{matrix}$	$\begin{matrix} 44^\circ 46' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 1250 \\ 8^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ 8^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0078 \\ 11^\circ 314' \end{matrix}$
9	φ	$\begin{cases} +\frac{1}{4} \\ +4 \end{cases}$	$\begin{matrix} 144 \\ 441 \end{matrix}$	$\begin{matrix} 14^\circ 02' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 52' \\ 79^\circ 58' \end{matrix}$	$\begin{matrix} 14^\circ 02' \\ 75^\circ 58' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 75^\circ 58' \end{matrix}$	$\begin{matrix} 10^\circ 01' \\ 44^\circ 08' \end{matrix}$	$\begin{matrix} 44^\circ 08' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 2500 \\ 4^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ 4^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0308 \\ 5^\circ 0567' \end{matrix}$
10	Σ	$\begin{cases} +\frac{2}{3} \\ +\frac{3}{2} \end{cases}$	$\begin{matrix} 255 \\ 552 \end{matrix}$	$\begin{matrix} 21^\circ 48' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 47^\circ 07' \\ 74^\circ 12' \end{matrix}$	$\begin{matrix} 21^\circ 48' \\ 68^\circ 12' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 68^\circ 12' \end{matrix}$	$\begin{matrix} 15^\circ 47' \\ 42^\circ 52' \end{matrix}$	$\begin{matrix} 42^\circ 52' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 4000 \\ 2^\circ 5000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ 2^\circ 5000 \end{matrix}$	$\begin{matrix} 1^\circ 0771 \\ 3^\circ 5355' \end{matrix}$
11	z	$\begin{cases} +\frac{1}{3} \\ +\frac{3}{3} \\ +35 \end{cases}$	$\begin{matrix} 135 \\ 153 \\ 351 \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 11^\circ 18' \\ 30^\circ 58' \end{matrix}$	$\begin{matrix} 32^\circ 18' \\ 59^\circ 32' \\ 80^\circ 16' \end{matrix}$	$\begin{matrix} 11^\circ 18' \\ 18^\circ 26' \\ 71^\circ 34' \end{matrix}$	$\begin{matrix} 30^\circ 58' \\ 59^\circ 02' \\ 78^\circ 41' \end{matrix}$	$\begin{matrix} 9^\circ 44' \\ 57^\circ 41' \\ 30^\circ 28' \end{matrix}$	$\begin{matrix} 30^\circ 28' \\ " \\ " \end{matrix}$	$\begin{matrix} 0^\circ 2000 \\ 0^\circ 3333 \\ 3^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 6000 \\ 1^\circ 6667 \\ 5^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 6325 \\ 1^\circ 0900 \\ 5^\circ 8310' \end{matrix}$

Borax.

Monoklin.

$a = 1.0995$	$lg a = 0.04120$	$lg a_0 = 998966$	$lg p_0 = 0.01034$	$a_0 = 0.9765$	$p_0 = 1.0241$
$c = 1.126$	$lg c = 0.05154$	$lg b_0 = 994846$	$lg q_0 = 0.03309$	$b_0 = 0.8881$	$q_0 = 1.0792$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 73^\circ 25'$	$lg h = \left. \begin{matrix} 1 \\ lg \sin \mu \end{matrix} \right\} 998155$	$lg e = \left. \begin{matrix} 1 \\ lg \cos \mu \end{matrix} \right\} 945547$	$lg \frac{p_0}{q_0} = 997725$	$h = 0.9584$	$e = 0.2854$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $tg \varrho$
1	c	0	001	90° 00'	16° 35'	16° 35'	0° 00'	16° 35'	0° 00'	0.2978	0	0.2978
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	∞	"
4	m	∞	110	43 30	"	"	90 00	43 30	46 30	0.9489	∞	"
5	n	$\frac{2}{3}\infty$	750	53 02	"	"	"	53 02	36 58	1.3285	"	"
6	s	02	021	7 32	66 14	16 35	66.03	6 53	65 08	0.2978	2.2520	2.2716
7	e	-10	101	90 00	37 37	37 37	0 00	37 37	0 00	0.7707	0	0.7707
8	o	$-\frac{1}{2}$	112	22 47	31 24	13 18	29 23	11 38	28 43	0.2365	0.5630	0.6106
9	z	-1	111	34 23	45 54	37 37	48 23	27 06	41 43	0.7707	1.1260	1.3645

Botryogen.

Monoklin.

$a = 0.6522$	$lg a = 981438$	$lg a_0 = 003964$	$lg p_0 = 996036$	$a_0 = 1.0955$	$p_0 = 0.9128$
$c = 0.5953$	$lg c = 977474$	$lg b_0 = 022526$	$lg q_0 = 972241$	$b_0 = 1.6798$	$q_0 = 0.5277$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 62^\circ 26'$	$lg h = \left. \begin{matrix} 1 \\ lg \sin \mu \end{matrix} \right\} 994767$	$lg e = \left. \begin{matrix} 1 \\ lg \cos \mu \end{matrix} \right\} 966537$	$lg \frac{p_0}{q_0} = 023795$	$h = 0.8865$	$e = 0.4628$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $tg \varrho$
1	c	0	001	90° 00'	27° 34'	27° 34'	0° 00'	27° 34'	0° 00'	0.5220	0	0.5220
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	m	∞	110	59 58	"	90 00	"	59 58	30 02	1.7296	"	"
4	f	∞2	120	40 51	"	"	"	40 51	49 09	0.8648	"	"
5	v	$0\frac{2}{3}$	023	52 45	33 15	27 34	21 39	25 53	19 23	0.5220	0.3969	0.6558
6	x	-10	101	90 00	26 55	26 55	0 00	26 55	0 00	0.5076	0	0.5076
7	n	-1	111	40 27	38 02	"	30 46	23 34	27 57	"	0.5953	0.7824

Bournonit.

Rhombisch.

a = 0.9380	lg a = 997220	lg a ₀ = 001946	lg p ₀ = 998054	a ₀ = 1.0458	p ₀ = 0.9562
c = 0.8969	lg c = 995274	lg b ₀ = 004726	lg q ₀ = 995274	b ₀ = 1.1150	q ₀ = 0.8969

No.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ρ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	η	3∞	310	72 38	"	"	90 00	72 38	17 22	3.1983	∞	"
5	e	2∞	210	64 52	"	"	"	64 52	25 07	2.0837	"	"
6	l	$\frac{3}{2}$ ∞	320	57 59	"	"	"	57 59	32 01	1.5991	"	"
7	R	$\frac{7}{3}$ ∞	750	56 10	"	"	"	56 10	33 49	1.4925	"	"
8	Π	$\frac{11}{8}$ ∞	1180	55 16	"	"	"	55 16	34 43	1.4427	"	"
9	θ	$\frac{4}{3}$ ∞	430	54 52	"	"	"	54 52	35 07	1.4215	"	"
10	M	$\frac{9}{7}$ ∞	970	53 53	"	"	"	53 53	36 07	1.3707	"	"
11	k	$\frac{5}{4}$ ∞	540	53 07	"	"	"	53 07	36 53	1.3327	"	"
12	m	∞	110	46 50	"	"	"	46 50	43 10	1.0661	"	"
13	Ψ	$\frac{5}{3}$ ∞	560	41 41	"	"	"	41 41	48 19	0.8884	"	"
14	w	$\frac{3}{2}$ ∞	340	38 38	"	"	"	38 38	51 21	0.7996	"	"
15	a	$\frac{3}{2}$ ∞	230	35 24	"	"	"	35 24	54 36	0.7107	"	"
16	f	∞2	120	28 03	"	"	"	28 03	61 56	0.5330	"	"
17	i	$\frac{3}{2}$ ∞	130	19 34	"	"	"	19 34	70 26	0.3553	"	"
18	E	$\frac{3}{2}$ ∞	3100	17 44	"	"	"	17 44	72 16	0.3198	"	"
19	Φ	∞4	140	14 55	"	"	"	14 55	75 04	0.2665	"	"
20	L	∞5	150	12 02	"	"	"	12 02	77 58	0.2132	"	"
21	d	∞6	160	10 04	"	"	"	10 04	79 55	0.1777	"	"
22	κ	0 $\frac{1}{2}$	013	0 00	16 38	0 00	16 38	0 00	16 38	0	0.2989	0.2989
23	γ	0 $\frac{2}{3}$	023	"	30 52	"	30 52	"	30 52	"	0.5979	0.5979
24	n	01	011	"	41 53	"	41 53	"	41 53	"	0.8969	0.8969
25	$\frac{1}{2}\Sigma$	02	021	"	60 51	"	60 51	"	60 51	"	1.7938	1.7938
26		03	031	"	69 37	"	69 37	"	69 37	"	2.6907	2.6907
27	j	$\frac{1}{3}$ 0	105	90 00	10 49	10 49	0 00	10 49	0 00	0.1912	0	0.1912
28	t	$\frac{1}{4}$ 0	104	"	13 26	13 26	"	13 26	"	0.2390	"	0.2390
29	e	$\frac{1}{4}$ 0	103	"	17 40	17 40	"	17 40	"	0.3187	"	0.3187
30	F	$\frac{1}{4}$ 0	205	"	20 56	20 56	"	20 56	"	0.3824	"	0.3824
31	x	$\frac{1}{2}$ 0	102	"	25 33	25 33	"	25 33	"	0.4781	"	0.4781
32	h	$\frac{1}{2}$ 0	203	"	32 31	32 31	"	32 31	"	0.6374	"	0.6374
33	o	10	101	"	43 43	43 43	"	43 43	"	0.9562	"	0.9562

No	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
34	C	$\frac{2}{3}0$	503	90°00	57°53'	57°53'	0°00	57°53'	0°00	1'5936	0	1'5936
35	z	20	201	"	62 23'	62 23'	"	62 23'	"	1'9123	"	1'9123
36	δ	30	301	"	70 47	70 47	"	70 47	"	2'8685	"	2'8685
37	ζ	40	401	"	75 20'	75 20'	"	75 20'	"	3'8238	"	3'8238
38	v	21	211	64 52'	64 40'	62 23'	41 53'	54 55'	22 34'	1'9124	0'8969	2'1122
39	D	$\frac{2}{3}1$	322	57 59'	59 24'	55 07'	"	46 52'	27 09'	1'4342	"	1'6916
40	y	1	111	46 50'	52 40'	43 43'	"	35 26'	32 57'	0'9562	"	1'3110
41	Y	$\frac{3}{2}1$	355	32 36'	46 47'	29 50'	"	23 07'	37 53'	0'5737	"	1'0647
42	π	$\frac{1}{2}1$	122	28 03'	45 28'	25 33'	"	19 35'	38 58'	0'4781	"	1'0163
43	λ	$\frac{1}{2}1$	144	14 55'	42 52'	13 26'	"	10 05'	41 06'	0'2394	"	0'9282
44	N	$\frac{1}{2}1$	111	85 07'	43 49'	43 43'	4 39'	43 37'	3 22'	0'9562	0'0815	0'9596
45	s	$\frac{1}{2}2$	212	64 52'	46 34'	"	24 09'	41 06'	17 57'	"	0'4484	1'0561
46	V	$\frac{1}{2}2$	454	40 27'	55 50'	"	48 16'	32 28'	39 01'	"	1'1211	1'4735
47	Q	$\frac{1}{2}2$	232	35 24'	58 47'	"	53 22'	29 42'	44 12'	"	1'3453	1'6505
48	ϱ	12	121	28 03'	63 48'	"	60 51'	24 58'	52 21'	"	1'7938	2'0327
49	g	2	221	46 50'	69 07'	62 23'	"	42 57'	39 44'	1'9124	"	2'6219
50	Γ	$\frac{2}{3}2$	885	"	64 30'	56 50'	55 08'	41 10'	38 08'	1'5299	1'4350	2'0975
51	μ	$\frac{2}{3}2$	332	"	63 03'	55 07'	53 22'	40 33'	37 34'	1'4342	1'3453	1'9664
52	θ	$\frac{1}{2}2$	1717	17 12'	61 42'	53 34'	51 48'	39 57'	37 02'	1'3546	1'2706	1'8572
53	Z	$\frac{1}{2}3$	443	"	60 13'	51 53'	50 06'	39 16'	36 26'	1'2749	1'1958	1'7480
54	K	$\frac{1}{2}4$	554	"	58 36'	50 05'	48 16'	38 30'	35 44'	1'1952	1'1211	1'6387
55	x	$\frac{2}{3}4$	334	"	44 31'	35 39'	33 55'	30 45'	28 40'	0'7171	0'6726	0'9832
56	p	$\frac{2}{3}4$	223	"	41 09'	32 31'	30 52'	28 41'	26 45'	0'6374	0'5979	0'8740
57	E	$\frac{2}{3}8$	558	"	39 20'	30 52'	29 16'	27 32'	25 41'	0'5976	0'5605	0'8194
58	S	$\frac{2}{3}8$	559	"	36 04'	27 58'	26 29'	25 26'	23 45'	0'5312	0'5040	0'7283
59	P	$\frac{1}{2}8$	1010	19	34 36'	26 43'	25 16'	24 28'	22 52'	0'5032	0'4720	0'6900
60	u	$\frac{1}{2}2$	112	"	33 15'	25 33'	24 09'	23 34'	22 01'	0'4781	0'4484	0'6555
61	φ	$\frac{1}{3}$	113	"	23 36'	17 40'	16 38'	16 59'	15 54'	0'3187	0'2989	0'4370
62	Ω	$\frac{1}{4}$	114	"	18 09'	13 26'	12 38'	13 08'	12 18'	0'2394	0'2242	0'3277
63	A	$\frac{1}{2}7$	7214	75 00'	26 20'	25 33'	7 18'	25 22'	6 35'	0'4781	0 1281	0'4950
64	B	$\frac{1}{2}6$	316	72 38'	26 36'	"	8 30'	25 18'	7 41'	"	0'1495	0'5009
65	ξ	$\frac{1}{2}1$	214	64 52'	27 50'	"	12 38'	25 00'	11 26'	"	0'2242	0'5281
66	Δ	$\frac{1}{2}7$	7414	61 48'	28 28'	"	14 22'	24 51'	13 01'	"	0'2562	0'5424
67	G	$\frac{1}{2}3$	326	57 59'	29 25'	"	16 38'	24 36'	15 05'	"	0'2989	0'5639
68	ω	$\frac{1}{2}3$	346	38 38'	37 26'	"	30 52'	22 18'	28 20'	"	0'5979	0'7656
69	J	$\frac{1}{2}3$	123	28 03'	34 07'	17 40'	"	15 18'	29 40'	0'3187	"	0'6776
70	O	$\frac{2}{3}3$	213	64 52'	35 09'	32 31'	16 38'	31 25'	14 09'	0'6374	0'2989	0'7041
71	T	32	321	57 59'	73 32'	70 47'	60 51'	54 24'	30 33'	2'8685	1'7938	3'3832
72	U	$\frac{3}{2}4$	314	72 38'	36 55'	35 39'	12 38'	34 59'	10 19'	0'7171	0'2242	0'7514
73	W	43	431	54 52'	77 56'	75 21'	69 37'	53 07'	34 14'	3'8247	2'6907	4'6764
74	H	$\frac{2}{3}7$	275	71 49'	76 03'	"	51 28'	67 14'	17 37'	"	1'2556	4'0256
75	X	$\frac{2}{3}3$	743	61 48'	68 26'	65 51'	50 06'	55 03'	26 04'	2'2311	1'1958	2'5314

Braunit.

Tetragonal.

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 1.4032 \quad \lg c = 0.14712 \quad \lg a_o = 9.85288 \quad a_o = 0.7126$$

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	m	0 ∞	010	0°00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞	110	45 00	"	90 00	"	45 00	45 00	1.0000	"	"
4	e	01	011	0 00	54 31'	0 00	54 31'	0 00	54 31'	0	1.4032	1.4032
5	s	02	021	"	70 23'	"	70 23'	"	70 23'	"	2.8064	2.8064
6	o	$\frac{3}{8}$	338	45 00	36 39'	27 45	27 45	24 58	24 58	0.5226	0.5226	0.7442
7	n	$\frac{1}{2}$	112	"	44 46'	35 03	35 03	29 52	29 52	0.7016	0.7016	0.9922
8	l	2	221	"	75 51'	70 23'	70 23'	43 17'	43 17'	2.8064	2.8064	3.9688
9	σ	$\frac{1}{3}1$	155	11 18'	55 03	15 40'	54 31'	9 15	53 29'	0.2806	1.4032	1.4300
10	y	$\frac{1}{3}1$	133	18 26'	55 56'	25 04	"	15 11	51 48'	0.4677	"	1.4791
11	x	13	131	"	77 18'	54 31'	76 38'	17 58	67 44'	1.4032	4.2096	4.4373
12	i	$\frac{1}{4}\frac{3}{8}$	134	"	47 58'	19 20	46 27'	13 35	44 48'	0.3508	1.0524	1.1093
13	?t	$\frac{3}{8}\frac{7}{8}$	378	23 12'	53 11'	27 45	50 50'	18 23	47 22'	0.5262	1.2278	1.3358

Breithauptit.

Hexagonal.

$$c = 0.7471 \quad \lg c = 9.87338 \quad \lg a_o = 0.36518 \quad \lg p_o = 9.69729 \quad a_o = 2.3184 \quad p_o = 0.4981 \quad (G_1)$$

No.	Buch- staben	Symb.	Bravais	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	$\infty 0$	1010	0°00	90 00	"	90 00	"	90 00	"	∞	∞
3	i	10	1011	"	26 28'	"	26 28'	"	26 28'	"	0.4981	0.4981
4	w	30	3031	"	56 12'	"	56 12'	"	56 12'	"	1.4942	1.4942
5	v	40	4041	"	63 21'	"	63 21'	"	63 21'	"	1.9923	1.9923
6	s	14.0	14.014.1	"	81 50'	"	81 50'	"	81 50'	"	6.9730	6.9730

Brewsterit.**Monoklin.**

$a = 0.4049$	$lg a = 960735$	$lg a_0 = 968266$	$lg p_0 = 031734$	$a_0 = 0.4816$	$p_0 = 2.0765$
$c = 0.8408$	$lg c = 992469$	$lg b_0 = 007531$	$lg q_0 = 992380$	$b_0 = 1.1893$	$q_0 = 0.8391$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 86^\circ 20'$	$lg h = \left. \begin{matrix} 999911 \\ \lg \sin \mu \end{matrix} \right\}$	$lg e = \left. \begin{matrix} 880585 \\ \lg \cos \mu \end{matrix} \right\}$	$lg \frac{p_0}{q_0} = 039354$	$h = 0.9979$	$e = 0.0639$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x'}{(Prismen)} (x:y)$	y'	$d' = tg \varrho$
1	c	0	001	90° 00	3° 40	3° 40	0° 00	3° 40	0° 00	0.0641	0	0.0641
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞ 0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	68 00	"	"	90 00	68 00	22 00	2.4747	∞	"
5	t	∞ 2	120	51 03	"	"	"	51 03	38 56	1.2373	"	"
6	e	0 $\frac{1}{2}$	0.1.12	42 27	5 25	3 40	4 00	3 39	4 00	0.0641	0.0700	0.0949

Bromsilber.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{(Prismen)} (x:y)$	y	$d = tg \varrho$
1	c	$\left\{ \begin{matrix} 0 \\ 0\infty \end{matrix} \right.$	$\left\{ \begin{matrix} 001 \\ 010 \end{matrix} \right.$	$\left\{ \begin{matrix} - \\ 0^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ \infty \end{matrix} \right.$
2	d	$\left\{ \begin{matrix} 01 \\ \sim \end{matrix} \right.$	$\left\{ \begin{matrix} 011 \\ 110 \end{matrix} \right.$	$\left\{ \begin{matrix} " \\ 45^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} " \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} " \\ 45^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 45^\circ 00 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} " \\ 1.0000 \end{matrix} \right.$	$\left\{ \begin{matrix} 1.0000 \\ \sim \end{matrix} \right.$	$\left\{ \begin{matrix} 1.0000 \\ \infty \end{matrix} \right.$
3	p	1	111	"	54 44	45 00	45 00	35 16	35 16	"	1.0000	1.4142

Brongniardit.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{(Prismen)} (x:y)$	y	$d = tg \varrho$
1	d	$\left\{ \begin{matrix} 01 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 011 \\ 110 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 45^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 45^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 45^\circ 00 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ 1.0000 \end{matrix} \right.$	$\left\{ \begin{matrix} 1.0000 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 1.0000 \\ \infty \end{matrix} \right.$
2	p	1	111	"	54 44	45 00	45 00	35 16	35 16	"	1.0000	1.4142

Brookit.

Rhombisch. (?)

a = 0.8416	lg a = 992511	lg a ₀ = 994995	lg p ₀ = 005005	a ₀ = 0.8911	p ₀ = 1.1222
c = 0.9444	lg c = 997516	lg b ₀ = 002484	lg q ₀ = 997516	b ₀ = 1.0589	q ₀ = 0.9444

No.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tgv
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	000	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	M	900	910	84° 39'	"	"	90° 00	84° 39'	5° 20'	10.694	"	"
5	N	700	710	83° 08'	"	"	"	83° 08'	6° 51'	8.3174	"	"
6	p	11/2 00	11.2.0	81° 18'	"	"	"	81° 18'	8° 42'	6.5350	∞	"
7	k	400	410	78° 07'	"	"	"	78° 07'	11° 53'	4.7528	"	"
8	e	2/3 00	940	69° 29'	"	"	"	69° 29'	20° 30'	2.6734	"	"
9	l	200	210	67° 10'	"	"	"	67° 10'	22° 49'	2.3764	"	"
10	a	3/2 00	320	60° 42'	"	"	"	60° 42'	29° 17'	1.7823	"	"
11	m	∞	110	49° 55'	"	"	"	49° 55'	40° 05'	1.1882	"	"
12	q	∞2	120	30° 43'	"	"	"	30° 43'	59° 17'	0.5941	"	"
13	ψ	0 1/2	012	0° 00	25° 16'	0° 00	25° 16'	0° 00	25° 16'	0	0.4722	0.4722
14	T	0 3/8	089	"	40° 01'	"	40° 01'	"	40° 01'	"	0.8395	0.8395
15	δ	01	011	"	43° 21'	"	43° 21'	"	43° 21'	"	0.9444	0.9444
16	d	0 1/4	043	"	51° 32'	"	51° 32'	"	51° 32'	"	1.2592	1.2592
17	t	02	021	"	62° 06'	"	62° 06'	"	62° 06'	"	1.8888	1.8888
18	y	1/4 0	104	90° 00	15° 40'	15° 40'	0° 00	15° 40'	0° 00	0.2805	0	0.2805
19	x	1/2 0	102	"	29° 18'	29° 18'	"	29° 18'	"	0.5610	"	0.5610
20	ω	3/5 0	305	"	33° 57'	33° 57'	"	33° 57'	"	0.6733	"	0.6733
21	λ	1/2 1	124	30° 43'	28° 46'	15° 40'	25° 16'	14° 14'	24° 27'	0.2805	0.4722	0.5493
22	e	1/2 1	122	"	47° 41'	29° 17'	43° 21'	22° 11'	39° 28'	0.5611	0.9444	1.0085
23	n	12	121	"	65° 31'	48° 17'	62° 06'	27° 42'	51° 29'	1.1222	1.8888	2.1970
24	p	1 2/5	9.4.18	69° 29'	30° 55'	29° 17'	11° 51'	28° 46'	10° 22'	0.5611	0.2098	0.5990
25	v	1 1/3	326	60° 42'	32° 45'	"	17° 28'	28° 09'	15° 21'	"	0.3148	0.6434
26	P	1 1/2 1/4	7.5.14	58° 59'	33° 12'	"	18° 38'	28° 00'	16° 23'	"	0.3373	0.6546
27	z	1 1/2	112	49° 55'	36° 15'	"	25° 16'	26° 54'	22° 23'	"	0.4722	0.7333
28	q	1 3/4	234	38° 23'	42° 06'	"	35° 18'	24° 36'	31° 42'	"	0.7083	0.9036
29	x	1 1/2 1/2	132	21° 36'	56° 43'	"	54° 47'	17° 56'	51° 01'	"	1.4166	1.5237
30	λ	1 1/2	142	16° 32'	63° 05'	"	62° 06'	14° 42'	58° 44'	"	1.8888	1.9704
31	o	1	111	49° 55'	55° 43'	48° 17'	43° 21'	39° 12'	32° 08'	1.1222	0.9444	1.4607
32	s	3/2 1	322	60° 42'	62° 36'	59° 17'	"	50° 44'	25° 45'	1.6832	"	1.9300
33	g	1 1/3	949	69° 29'	50° 09'	48° 17'	22° 46'	45° 58'	15° 36'	1.1222	0.4197	1.1981
34	q	1 1/3	343	41° 42'	59° 20'	"	51° 32'	34° 54'	39° 57'	"	1.2592	1.6866
35	w	1 1/2	272	18° 45'	74° 01'	"	73° 10'	18° 00'	65° 33'	"	3.3055	3.4907
36	h	15	151	13° 22'	78° 21'	"	78° 02'	13° 05'	72° 20'	"	4.7220	4.8535

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
37	i	$\frac{3}{2} 2$	342	41° 42'	68° 26'	59° 17'	62° 06'	38° 13'	43° 58'	1'6832	1'8888	2'5300
38	u	$\frac{7}{4} 2$	784	46° 07'	69° 51'	63° 01'	"	42° 35'	40° 36'	1'9638	"	2'7247
39	r	2	221	49° 55'	71° 10'	65° 59'	"	46° 24'	37° 33'	2'2443	"	2'9333
40	π	$\frac{1}{4} \frac{1}{3}$	3'4'12	41° 42'	22° 52'	15° 40'	17° 28'	14° 59'	16° 51'	0'2805	0'3148	0'4217
41	ε	$\frac{1}{4} \frac{2}{3}$	134	21° 36'	37° 18'	"	35° 18'	12° 53'	34° 17'	"	0'7083	0'7618
42	f	$\frac{3}{2} 5$	3'10'2	19° 37'	78° 43'	59° 17'	78° 02'	19° 13'	67° 29'	1'6832	4'7220	5'0130
43	Ω	$\frac{1}{2} \frac{1}{6}$	1'22'12	3° 05'	60° 01'	5° 20'	59° 59'	2° 40'	59° 53'	0'0743	1'7314	1'7340
44	r	$\frac{1}{4} \frac{4}{3}$	349	41° 42'	29° 21'	20° 30'	22° 46'	19° 02'	21° 27'	0'3740	0'4197	0'5622
45	Σ	$\frac{1}{3} \frac{5}{6}$	256	25° 25'	41° 04'	"	38° 12'	16° 23'	36° 23'	"	0'7870	0'8714
46	D	$\frac{2}{7} \frac{11}{14}$	4'11'14	18° 34'	38° 03'	14° 00'	36° 34'	11° 19'	35° 45'	0'2493	0'7420	0'7828
47	θ	$\frac{5}{18} \frac{7}{9}$	5'14'18	22° 59'	38° 35'	17° 19'	36° 18'	14° 06'	35° 02'	0'3117	0'7345	0'7979
48	Δ	$\frac{1}{3} \frac{10}{13}$	4'10'13	25° 25'	38° 48'	19° 03'	36° 00'	15° 36'	34° 28'	0'3453	0'7264	0'8043

Brucit.

Hexagonal. Rhomboedrisch-hemiedrisch.

c = 1'5208	lg c = 018207	lg a ₀ = 005649	lg p ₀ = 000598	a ₀ = 1'1389	p ₀ = 1'0139	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
1	c	0	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	z	$-\frac{1}{3}$	1123	30° 00'	30° 20'	16° 19'	26° 53'	14° 38'	25° 56'	0'2927	0'5069	0'5854
3	e	$-\frac{1}{2}$	1122	"	41° 17'	23° 42'	37° 15'	19° 15'	34° 51'	0'4390	0'7604	0'8780
4	r	$+\frac{1}{2}$	1121	"	60° 20'	41° 17'	56° 40'	25° 45'	48° 48'	0'8780	1'5208	1'7561
5	h	$-\frac{2}{3}$	7'7'14'5	"	67° 52'	50° 52'	64° 50'	27° 35'	53° 20'	1'2292	2'1291	2'4585
6	p	$+\frac{2}{3}$	2241	"	74° 06'	60° 20'	71° 48'	28° 44'	56° 24'	1'7561	3'0416	3'5122
7	t	-4	4481	"	81° 54'	74° 06'	80° 40'	29° 40'	59° 01'	3'5122	6'0831	7'0243

Brushit.

Monoklin.

a = 0'6221	lg a = 979386	lg a ₀ = 026047	lg p ₀ = 973953	a ₀ = 1'8217	p ₀ = 0'5489
c = 0'3415	lg c = 953339	lg b ₀ = 046661	lg q ₀ = 953156	b ₀ = 2'9283	q ₀ = 0'3400
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 84^\circ 45'$	$\lg h = \left. \begin{matrix} 999817 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 896143 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 020797$	h = 0'9958	e = 0'0915

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' =tge
1	b	00	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
2	p	30	310	78° 20'	"	90° 00'	"	78° 20'	11° 40'	4'8429	0	"
3	n	01	011	15° 03'	19° 28'	5° 15'	18° 51'	4° 58'	18° 47'	0'0919	0'3415	0'3536
4	c	-30	301	90° 00'	57° 22'	57° 22'	0° 00'	57° 22'	0° 00'	1'5619	0	1'5619

Bunsenit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	p	1	111	45 00	54 44	45 00	45 00	35 16	35 16	1'0000	1'0000	1'4142

Buntkupfererz.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} " \\ 1'0000 \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$
3	q	$\begin{cases} \frac{1}{2} \\ 12 \end{cases}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0'5000 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 0'7071 \\ 2'2360 \end{matrix}$
4	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142

Calcit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 0'8543 \quad \lg c = 993161 \quad \lg a_0 = 030695 \quad \lg p_0 = 975552 \quad a_0 = 2'0275 \quad p_0 = 0'5695 \quad (C_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	o	0	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	∞	1010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0'5773	"	"
4	ψ	$\frac{4}{3}\infty$	4370	25 17	"	"	"	25 17	64 43	0'4724	"	"
5	ζ	$\frac{2}{3}\infty$	5270	16 06	"	"	"	16 06	73 54	0'2887	"	"
6	θ	$\frac{4}{3}\infty$	4150	10 53	"	"	"	10 53	79 06	0'1924	"	"
7	π	10	1011	0 00	29 40	0 00	29 40	0 00	29 40	0	0'5696	0'5696
8	κ	$\frac{7}{2}0$	7074	"	44 54	"	44 54	"	44 54	"	0'9967	0'9967
9	λ	20	2021	"	48 43	"	48 43	"	48 43	"	1'1391	1'1391

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
10	a	40	4041	0°00	66°18	0°00	66°18	0°00	66°18	0	2'2782	2'2782
11	ω	$\frac{1}{3}0$	16°0'16'3	"	71 46'	"	71 46'	"	71 46'	"	3'0375	3'0375
12	ξ	60	6061	"	73 41'	"	73 41'	"	73 41'	"	3'4173	3'4173
13	β	70	7071	"	75 55	"	75 55	"	75 55	"	3'9867	3'9867
14	γ	80	8081	"	77 37	"	77 37	"	77 37	"	4'5563	4'5563
15	δ	90	9091	"	78 57	"	78 57	"	78 57	"	5'1258	5'1258
16	ε	12°0	12°0'12'1	"	81 40'	"	81 40'	"	81 40'	"	6'8344	6'8344
17	a'	$-\frac{1}{2}$	1125	30°00	11 09'	5 38	9 42	5 33	9 39	0°0986	0'1709	0'1972
18	d'	$+\frac{1}{2}$	1124	"	13 51	7 02	12 03'	6 52'	11 58	0°1233	0'2136	0'2466
19	β'	$-\frac{7}{20}$	7'7'14'20	"	19 03	9 47'	16 39	9 23'	16 25	0°1726	0'2990	0'3453
20	e' γ'	$\pm\frac{2}{3}$	2245	"	21 32	11 09'	18 52	10 34'	18 32	0°1973	0'3417	0'3946
21	f' δ'	$\pm\frac{1}{2}$	1122	"	26 15	13 51	23 08	12 46'	22 31'	0°2466	0'4271	0'4932
22	g'	$+\frac{4}{3}$	4'4'8'7	"	29 24'	15 44'	26 01	14 12'	25 10	0°2818	0'4882	0'5637
23	ε'	$-\frac{3}{5}$	3365	"	30 37	16 29	27 08	14 45	26 10'	0°2960	0'5126	0'5919
24	h' ζ'	$\pm\frac{4}{3}$	2243	"	33 20	18 12	29 40	15 57	28 25	0°3288	0'5695	0'6576
25	η'	$-\frac{4}{3}$	4485	"	38 17	21 32	34 21	18 02'	32 27	0°3946	0'6834	0'7892
26	θ'	$-\frac{7}{8}$	7'7'14'8	"	40 48	23 20'	36 46'	19 04	34 27'	0°4316	0'7475	0'8632
27	p' κ'	± 1	1121	"	44 36'	26 15	40 30'	20 33'	37 27'	0°4932	0'8543	0'9865
28	λ'	$-\frac{8}{3}$	8'8'16'7	"	48 25'	29 24'	44 19	21 58	40 23	0°5637	0'9764	1'1274
29	μ'	$-\frac{6}{5}$	6'6'12'5	"	49 48'	30 37	45 42'	22 27'	41 25	0°5919	1'0252	1'1838
30	ν'	$-\frac{2}{3}$	5'5'10'4	"	50 57'	31 39'	46 53	22 51	42 16	0°6165	1'0679	1'2331
31	ξ'	$-\frac{4}{3}$	4483	"	52 45	33 20	48 43	23 27	43 35	0°6576	1'1391	1'3153
32	π'	$-\frac{7}{5}$	7'7'14'5	"	54 05'	34 37'	50 06	23 53'	44 32'	0°6905	1'1960	1'3811
33	ϱ'	$-\frac{2}{3}$	3362	"	55 57	36 30	52 02	24 28'	45 51	0°7399	1'2814	1'4797
34	σ'	$-\frac{11}{8}$	11'11'22'7	"	57 10'	37 46'	53 19	24 51	46 52	0°7751	1'3425	1'5501
35	τ'	$-\frac{13}{8}$	13'13'26'8	"	58 02'	38 42'	54 14	25 06	47 17'	0°8015	1'3882	1'6030
36	A'	$-\frac{9}{5}$	9'9'18'5	"	60 36'	41 36	56 58	25 49'	48 59'	0°8878	1'5377	1'7756
37	φ'	-2	3341	"	63 07'	44 36'	59 39'	26 29	50 34'	0°9865	1'7086	1'9729
38	χ'	$-\frac{3}{2}$	9'9'18'4	"	65 45	47 48'	62 31	27 07	52 09	1°1098	1'9222	2'2195
39	k' ψ'	$\pm\frac{5}{2}$	5'5'10'2	"	67 55'	50 57'	64 54'	27 36	53 22'	1°2331	2'1357	2'4662
40	ω'	$-\frac{11}{8}$	11'11'22'4	"	69 46	53 36	66 56'	27 59	54 21	1°3564	2'3493	2'7127
41	l' Γ'	± 3	3361	"	71 20	55 57	68 41	28 16'	55 08	1°4797	2'5629	2'9594
42	Δ'	$-\frac{7}{2}$	7'7'14'2	"	73 51	59 55	71 30'	28 42	56 17	1°7263	2'9901	3'4526
43	m' Θ'	± 4	4481	"	75 47	63 07'	73 41'	28 59'	57 05	1°9729	3'4172	3'9458
44	l'	$-\frac{3}{2}$	9'9'18'2	"	77 18	65 45	75 25	29 11'	57 39'	2°2195	3'8443	4'4390
45	n' Ξ'	± 5	5'5'10'1	"	78 32'	67 55'	76 49'	29 20'	58 04'	2°4662	4'2715	4'9323
46	o'	$+\frac{11}{8}$	11'11'22'2	"	79 33'	69 46	77 59	29 27	58 24	2°7127	4'6986	5'4255
47	y'	+6	6'6'12'1	"	80 24'	71 20	78 57'	29 32'	58 38'	2°9594	5'1258	5'9188
48	q'	+7	7'7'14'1	"	81 45'	73 51	80 30'	29 39'	58 59'	3°4526	5'9801	6'9053
49	Π'	-8	8'8'16'1	"	82 46'	75 47	81 40'	29 44'	59 13'	3°9458	6'8344	7'8917
50	B'	-9	9'9'18'1	"	83 34'	77 18'	82 35'	29 47'	59 23	4°4390	7'6887	8'8780
51	r'	+10'10	10'10'20'1	"	84 12'	78 32'	83 19'	29 50	59 30	4°9323	8'5430	9'8646

No.	Buch- staben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d ==lg q
52	Σ	-11'11	11'11'22'1	30°00	84°44	79°33	83°55	29°51	59°35	5'4255	9'3972	10'851
53	s	+13'13	13'13'26'1	"	85 32	81 08	84 51	29 54	59 42	6'4120	11'106	12'824
54	Φ	-14'14	14'14'28'1	"	85 51	81 45	85 13	29 55	59 44	6'9053	11'960	13'811
55	t	+16'16	16'16'32'1	"	86 22	82 46	85 49	29 56	59 48	7'8917	13'669	15'783
56	Ψ	-17'17	17'17'34'1	"	86 35	83 12	86 03	29 56	59 49	8'3850	14'523	16'770
57	u	+19'19	19'19'38'1	"	86 56	83 54	86 23	29 57	59 51	9'3712	15'862	18'743
58	Z	+22'22	22'22'44'1	"	87 21	84 44	86 57	29 58	59 53	10'851	18'784	21'702
59	z	+28'28	28'28'56'1	"	87 55	85 51	87 36	29 58	59 56	13'811	23'921	27'621
60	z	$-\frac{4}{3}\frac{1}{2}$	4155	10 53	27 34	5 38	27 08	5 01	27 01	0'0986	0'5126	0'5220
61	u:	$-\frac{11}{13}\frac{2}{13}$	11'2'13'13	8 13	27 58	4 20	27 44	3 50	27 40	0'0759	0'5257	0'5312
62	y:	$-\frac{7}{8}\frac{1}{10}$	7188	6 35	28 15	3 31	28 06	3 07	28 03	0'0616	0'5339	0'5375
63	x:	$+\frac{1}{10}$	10'1'11'10	4 43	30 58	2 40	30 53	2 25	30 51	0'0493	0'5980	0'6001
64	v:	$+\frac{1}{3}\frac{1}{2}$	5165	8 57	32 23	5 38	32 04	4 46	31 56	0'0986	0'6265	0'6342
65	t:	$+\frac{1}{4}$	4154	10 53	33 07	7 02	32 39	5 55	32 27	0'1233	0'6407	0'6525
66	g:	$+\frac{1}{4}$	3143	13 54	34 23	9 20	33 36	7 48	33 15	0'1644	0'6645	0'6845
67	w:	$+\frac{1}{2}\frac{2}{3}$	5275	16 06	35 25	11 09	34 21	9 15	33 50	0'1973	0'6834	0'7114
68	f:	$+\frac{1}{11}\frac{5}{11}$	11'5'16'11	17 47	36 17	12 38	34 57	10 25	34 18	0'2242	0'6990	0'7340
69	e:	$+\frac{1}{2}$	2132	19 06	37 00	13 51	35 27	11 21	34 39	0'2466	0'7119	0'7534
70	q:	$+\frac{1}{4}\frac{7}{8}$	7'4'11'7	21 03	38 07	15 44	36 13	12 48	35 10	0'2818	0'7323	0'7846
71	a:	$+\frac{1}{8}\frac{3}{8}$	5385	21 47	38 34	16 29	36 31	13 22	35 22	0'2960	0'7404	0'7973
72	c:	$+\frac{1}{8}\frac{5}{8}$	8'5'13'8	22 24	38 57	17 08	36 47	13 52	35 32	0'3083	0'7475	0'8080
73	b:	$+\frac{1}{4}\frac{3}{4}$	3253	23 25	39 36	18 12	37 12	14 40	35 48	0'3288	0'7594	0'8275
74	a:	$+\frac{1}{10}\frac{7}{10}$	10'7'17'10	24 11	40 07	19 03	37 33	15 18	36 00	0'3453	0'7689	0'8428
75	β :	$+\frac{1}{11}\frac{8}{11}$	11'8'19'11	24 47	40 33	19 44	37 50	15 49	36 10	0'3587	0'7766	0'8555
76	d:	$+\frac{1}{4}\frac{5}{4}$	5495	26 19	41 39	21 32	38 34	17 09	36 34	0'3946	0'7973	0'8897
77	A:	$+\frac{1}{10}\frac{1}{10}$	13'10'23'10	25 41	48 41	26 15	45 42	19 00	42 36	0'4932	1'0252	1'1377
78	B:	$+\frac{7}{8}\frac{1}{8}$	7'5'12'5	24 30	49 56	"	47 15	18 30	44 08	"	1'0821	1'1892
79	C:	$+\frac{3}{4}\frac{1}{4}$	3252	23 25	51 08	"	48 43	18 01	45 36	"	1'1391	1'2413
80	γ :	$+\frac{2}{5}\frac{3}{5}\frac{1}{5}$	25'16'41'16	22 40	51 52	"	49 35	17 44	46 29	"	1'1746	1'2740
81	D:	$+\frac{8}{8}\frac{1}{8}$	8'5'13'5	22 24	52 18	"	50 06	17 33	47 00	"	1'1960	1'2938
82	E:	$+\frac{7}{4}\frac{1}{4}$	7'4'11'4	21 03	53 56	"	52 02	16 53	48 58	"	1'2814	1'3731
83	F: g:	± 21	2131	19 06	56 26	"	54 55	15 40	51 56	"	1'4238	1'5069
84	δ :	$+\frac{1}{11}\frac{1}{11}$	29'14'43'14	18 37	57 05	"	55 40	15 32	52 43	"	1'4645	1'5454
85	I:	$+\frac{1}{8}\frac{7}{8}\frac{1}{8}$	17'8'25'8	18 15	57 34	"	56 13	15 20	53 17	"	1'4950	1'5743
86	G: A	$+\frac{1}{5}\frac{1}{5}\frac{1}{5}$	11'5'16'5	17 47	58 14	"	56 58	15 03	54 03	"	1'5377	1'6149
87	H: Q	$+\frac{5}{2}\frac{1}{2}$	5'2'7'2	16 06	60 39	"	59 39	13 59	56 52	"	1'7086	1'7784
88	J: G:	$+31$	3141	13 54	64 02	"	63 21	12 28	60 46	"	1'9933	2'0535
89	K: Θ	-41	4151	10 53	69 02	"	68 41	10 10	66 29	"	2'5629	2'6099
90	L:	$+\frac{3}{8}\frac{3}{8}\frac{1}{8}$	35'8'43'8	10 04	70 28	"	70 11	9 29	68 07	"	2'7764	2'8199
91	ϵ :	$+\frac{1}{2}\frac{9}{2}\frac{1}{2}$	10'4'23'4	9 22	71 44	"	71 30	8 53	69 33	"	2'9901	3'0305
92	M:	$+51$	5101	8 57	72 30	"	72 17	8 32	70 24	"	3'1324	3'1710
93	N:	$+\frac{11}{2}\frac{1}{2}$	11'2'13'2	8 13	73 51	"	73 41	7 53	71 55	"	3'4172	3'4526

No.	Buch- staben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
94	O:	+61	6171	7° 35'	75° 00'	26° 15'	74° 53'	7° 18'	73° 14'	0'4932	3'7019	3'7347
95	P: Ψ	+71	7181	6 35	76 54'	"	76 49'	6 25	75 22'	"	4'2715	4'2999
96	Q:	+121	15'2'17'2	6 10'	77 41'	"	77 37'	6 02	76 15'	"	4'5563	4'5829
97	R:	+81	8191	5 49	78 23'	"	78 19'	5 42	77 02'	"	4'8410	4'8661
98	S:	+121	17'2'19'2	5 30	79 00'	"	78 57'	5 23'	77 44'	"	5'1258	5'1495
99	S:	+91	9.1.10'1	5 12'	79 34'	"	79 31'	5 07'	78 21'	"	5'4105	5'4330
100	η :	+121	19'2.31'2	4 57	80 04'	"	80 02'	4 52'	78 55'	"	5'6954	5'7166
101	T:	+10'1	10'1'11'1	4 43	80 32'	"	80 30'	4 39	79 26'	"	5'9801	6'0004
102	U:	+13'1	13'1'14'1	3 40	82 36'	"	82 35'	3 38'	81 45'	"	7'6887	7'7044
103	V:	+16'1	16'1'17'1	3 00	83 56'	"	83 55'	2 59	83 14'	"	9'3972	9'4103
104	W:	+221	35'2'37'2	2 45'	84 26'	"	84 25'	2 44'	83 48'	"	10'252	10'263
105	X:	+19'1	19'1'20'1	2 32'	84 51'	"	84 51'	2 32'	84 16'	"	11'106	11'117
106	a:	+82	8'2'10'5	10 53'	46 14'	11 09'	45 42'	7 50'	45 10'	0'1973	1'0252	1'0440
107	b:	+72	7184	6 35	47 04'	7 02	46 53'	4 49	46 40'	1'2331	1'0679	1'0750
108	c:	-22	10'1'11'5	4 43	50 12'	5 38	50 06'	3 37	49 58'	0'0986	1'1960	1'2001
109	d:	-22	14'2'16'7	6 35	50 51'	8 01'	50 40'	5 06	50 23'	0'1409	1'2204	1'2257
110	e:	-22	4152	10 53'	52 32'	13 51'	52 02'	8 37'	51 12'	0'2466	1'2847	1'3050
111	f:	-22	6283	13 54	53 51'	18 12	53 02'	11 11	51 37'	0'3288	1'3289	1'3690
112	g:	-22	10'4'14'5	16 06	54 54'	21 32	53 48'	13 07	51 48'	0'3946	1'3669	1'4227
113	h:	-22	14'8'22'7	21 03	57 29'	29 24'	55 40'	17 38	51 54'	0'5637	1'4645	1'5692
114	i:	-22	8'5'13'4	22 24'	58 16'	31 39'	56 13'	18 55	51 50'	0'6165	1'4950	1'6172
115	f:	-22	10'7'17'5	24 11	59 19'	34 37'	56 58'	20 38	51 41'	0'6905	1'5377	1'6857
116	m:	-22	6'5'11'3	26 59'	61 05'	39 25'	58 13'	23 25	51 16'	0'8202	1'6137	1'8110
117	n:	-22	7'4'11'2	21 03	69 59'	44 36'	68 41'	19 43'	61 16'	0'9865	2'5629	2'7462
118	o:	-42	4261	19 06'	71 38'	"	70 39'	18 06	63 44'	"	2'8477	3'0137
119	p:	-52	5271	16 06	74 18'	"	73 41'	15 29	67 39'	"	3'4172	3'5568
120	q: T	+82	8'2'10'1	10 53'	79 09'	"	78 57'	10 42	74 40'	"	5'1258	5'2199
121	r:	-11'2	11'2'13'1	8 13	81 45'	"	81 40'	8 07'	78 23'	"	6'8344	6'9051
122	s:	-22	5382	21 47	63 21'	36 30	61 37'	19 22'	56 06	0'7398	1'8510	1'9933
123	t:	-122	13'7'20'5	20 10	63 27'	34 37'	61 59'	17 58	57 07'	0'6905	1'8794	2'0023
124	u:	-82	8'4'12'3	19 06'	63 32'	33 20	62 13'	17 02'	57 46'	0'6576	1'8985	2'0091
125	v:	-122	11'5'16'4	17 47	63 39'	31 39'	62 31'	15 53'	58 34'	0'6165	1'9222	2'0186
126	w:	-202	20'8'28'7	16 06	63 48'	29 24'	62 53'	14 24'	59 33'	0'5637	1'9527	2'0325
127	x: M	+122	16'4'20'5	10 53'	64 24'	21 32	64 00'	9 49	62 20'	0'3946	2'0503	2'0880
128	y:	-22	7182	6 35	65 03'	13 51'	64 54'	5 58	64 15'	0'2466	2'1357	2'1500
129	z:	+42	28'4'32'7	"	67 51'	15 44'	67 43'	6 07	66 56'	0'2818	2'4408	2'4571
130	A:	+124	19'16'35'4	27 10	76 58'	63 07'	75 25'	26 25	60 05'	1.9729	3'8443	4'3210
131	B:	+54	5491	26 20	77 20'	"	75 55'	25 38'	60 58'	"	3'9867	4'4483
132	C:	+224	26'20'46'5	25 41'	77 36'	"	76 17'	25 03	61 39'	"	4'1006	4'5505
133	D:	+124	16'12'28'3	25 17	77 47'	"	76 32'	24 40'	62 05'	"	4'1766	4'6192
134	E:	+124	11'8'19'2	24 47'	78 00'	"	76 49'	24 13	62 37'	"	4'2715	4'7050
135	F:	+404	40'28'68'7	24 11	78 16'	"	77 10'	23 39	63 16'	"	4'3935	4'8161

No.	Buch- staben	Symb.	Bravais	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg φ
136	E	+64	6'4"10'1	23° 25'	78° 37'	63° 07'	77° 37'	22° 55'	64° 06'	1'9729	4'5563	4'9651
137	B	+74	7'4"11'1	21 03	79 41	"	78 57	20 41	66 39	"	5'1258	5'4024
138	S	+10'4	10'4"14'1	16 06	82 00	"	81 40	15 56	72 04	"	6'8344	7'1135
139	R	+16'4	16'4"20'1	10 53	84 31	"	84 25	10 50	77 49	"	10'252	10'440
140	B	-5 $\frac{1}{2}$	20'5"25'4	"	72 57	31 39	72 40	10 24	69 51	0'6164	3'2036	3'2624
141	U	+40 $\frac{1}{2}$	40'16"56'7	16 06	76 10	48 25	75 38	15 37	68 54	1'1274	3'9054	4'0646
142	B	+32 $\frac{1}{2}$	32'8"40'5	10 53	76 32	38 17	76 17	10 35	72 44	0'7892	4'1006	4'1750
143	B	-8 $\frac{1}{2}$	32'5"37'4	7 09	78 35	31 39	78 29	7 00	76 33	0'6165	4'9122	4'9507
144	E	-84	8'4"12'1	19 06	80 35	63 07	80 02	18 50	68 46	1'9729	5'6954	6'0274
145	Q	-85	8'5"13'1	22 24	81 13	67 55	80 30	22 08	66 00	2'4662	5'9801	6'4686
146	Q	-11'8	11'8"19'1	24 47	83 56	75 46	83 19	24 38	64 31	3'9458	8'5430	9'4102
147	Q	-14 $\frac{1}{2}$	14'7"21'3	19 06	74 07	49 01	73 15	18 21	65 21	1'1509	3'3223	3'5160
148	a	-19 $\frac{1}{2}$	19'4"23'8	9 22	56 34	13 51	56 13	7 48	55 26	0'2466	1'4960	1'5152
149	b	-11 $\frac{1}{2}$	11'2"13'4	8 13	59 55	"	59 39	7 06	58 55	"	1'7086	1'7203
150	c	-5 $\frac{1}{2}$	10'1"11'2	4 43	71 34	"	71 30	4 28	71 00	"	2'9901	3'0002
151	d	-13 $\frac{1}{2}$	13'1"14'2	3 40	75 27	"	75 25	3 33	75 00	"	3'8443	3'8522
152	e	-29 $\frac{1}{2}$	29'2"31'4	3 18	76 50	"	76 49	3 13	76 26	"	4'2715	4'2780
153	g	-19 $\frac{1}{2}$	19'1"20'2	2 32	79 48	"	79 47	2 30	79 29	"	5'5529	5'5582
154	S	+25 $\frac{1}{2}$	25'10"35'4	16 06	77 19	50 57	76 49	15 42	69 36	1'2331	4'2715	4'4460
155	U	+62	62'81	13 54	76 19	44 36	75 55	13 30	70 35	0'9865	3'9867	4'1071
156	W	-13 $\frac{1}{2}$	13'4"17'5	13 00	60 18	21 32	59 39	11 16	57 49	0'3946	1'7086	1'7536
157	Z	+8 $\frac{1}{2}$	8'4"12'5	19 06	50 19	"	48 43	14 35	46 39	"	1'1391	1'2055
158	N	+20 $\frac{1}{2}$	20'8"28'11	16 06	52 17	19 44	51 10	12 40	49 28	0'3587	1'2426	1'2934
159	X	-23 $\frac{1}{2}$	23'8"31'7	14 23	66 12	29 24	65 31	13 09	62 24	0'5637	2'1967	2'2670
160	Y	-36 $\frac{2}{3}$	36'20"76'13	14 42	71 30	37 11	70 55	13 56	66 32	0'7588	2'8915	2'9804
161	R	-10 $\frac{1}{2}$	16'8"24'7	19 06	59 51	29 24	58 25	16 26	54 48	0'5637	1'6272	1'7221
162	V	-12 $\frac{1}{2}$	12'6"18'5	"	61 03	30 37	59 39	16 38	55 47	0'5919	1'7086	1'8082
163	F	-20 $\frac{2}{3}$	20'2"22'3	4 44	75 58	18 12	75 55	4 34	75 12	0'3288	3'9867	4'0003
164	E	-17 $\frac{1}{2}$	85'31"116'20	14 57	71 21	37 24	70 44	14 09	66 15	0'7645	2'8619	2'9622

Caledonit.**Rhomblisch.**

$a = 0.9180$	$\lg a = 996284$	$\lg a_0 = 981464$	$\lg p_0 = 018536$	$a_0 = 0.6526$	$p_0 = 1.5324$
$c = 1.4067$	$\lg c = 014820$	$\lg b_0 = 985180$	$\lg q_0 = 014820$	$b_0 = 0.7109$	$q_0 = 1.4067$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\tan \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	47 27	"	"	"	47 27	42 33	1.0893	"	"
4	k	0 $\frac{1}{2}$	016	0 00	13 11	"	13 11	0 00	13 11	0	0.2344	0.2344
5	i	0 $\frac{1}{3}$	015	"	15 43	"	15 43	"	15 43	"	0.2813	0.2813
6	ψ	0 $\frac{1}{3}$	013	"	25 07	"	25 07	"	25 07	"	0.4689	0.4689
7	f	0 $\frac{1}{2}$	012	"	35 07	"	35 07	"	35 07	"	0.7033	0.7033
8	x	0 $\frac{2}{3}$	023	"	43 09	"	43 09	"	43 09	"	0.9378	0.9378
9	e	01	011	"	54 35	"	54 35	"	54 35	"	1.4067	1.4067
10	δ	02	021	"	70 26	"	70 26	"	70 26	"	2.8134	2.8134
11	d	10	101	90 00	56 52	56 52	0 00	56 52	0 00	1.5324	0	1.5324
12	x	20	201	"	71 55	71 55	"	71 55	"	3.0647	"	3.0647
13	r	$\frac{1}{3}$	113	47 27	34 44	27 03	25 07	24 49	22 40	0.5108	0.4689	0.6934
14	s	$\frac{2}{3}$	223	"	54 12	45 36	43 09	36 41	33 16	1.0215	0.9378	1.3867
15	r	1	111	"	64 19	56 52	54 35	41 36	37 33	1.5323	1.4067	2.0801
16	v	$\frac{7}{4}$	774	"	74 38	69 33	67 53	45 16	40 42	2.6816	2.4617	3.6402
17	t	$\frac{2}{3}$	221	"	76 29	71 55	70 26	45 45	41 06	3.0647	2.8134	4.1603
18	l	$\frac{1}{2}$	122	28 34	58 01	37 27	54 35	23 56	48 09	0.7662	1.4067	1.6018

Cancrinit.**Hexagonal. Holoeidrisch.**

$c = 0.7637$	$\lg c = 988292$	$\lg a_0 = 035564$	$\lg p_0 = 970683$	$a_0 = 2.2680$	$p_0 = 0.5091$	(G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\tan \varrho$
1	o	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	$\infty 0$	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	p	10	1011	0 00	26 59	0 00	26 59	0 00	26 59	0	0.5092	0.5092

Cappelenit.**Hexagonal. Holoedrisch.**

$$c = 2.2349 \quad \lg c = 0.34926 \quad \lg a_o = 9.88930 \quad \lg p_o = 0.17317 \quad a_o = 0.7750 \quad p_o = 1.4900 \quad (G_1)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x:y)	y	d = $\lg \varrho$
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	∞ 0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	p	$\frac{1}{3}$ 0	1013	"	26 25	"	26 25	"	26 25	"	0.4967	0.4967
4	o	10	1011	"	56 08	"	56 08	"	56 08	"	1.4900	1.4900

Caracolit.**Rhomblisch.**

a = 0.5843	lg a = 9.76664	lg a _o = 0.14205	lg p _o = 9.85795	a _o = 1.3869	p _o = 0.7210
c = 0.4213	lg c = 9.62459	lg b _o = 0.37541	lg q _o = 9.62459	b _o = 2.3736	q _o = 0.4213

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x:y)	y	d = $\lg \varrho$
1	o	1	111	59° 42	39° 52	35° 47	22° 51	33° 36	18° 52	0.7210	0.4213	0.8351

Carnallit.**Rhomblisch.**

a = 0.5952	lg a = 9.77466	lg a _o = 9.63208	lg p _o = 0.36792	a _o = 0.4286	p _o = 2.3330
c = 1.3886	lg c = 0.14258	lg b _o = 9.85742	lg q _o = 0.14258	b _o = 0.7201	q _o = 1.3886

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x:y)	y	d = $\lg \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	$\infty\infty$	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	59 14	"	90 00	"	59 14	30 45	1.6801	"	"
4	d	$0\frac{2}{3}$	023	0 00	42 47	0 00	42 47	0 00	42 47	0	0.9257	0.9257
5	e	01	011	"	54 14	"	54 14	"	54 14	"	1.3886	1.3886
6	f	02	021	"	70 12	"	70 12	"	70 12	"	2.7772	2.7772
7	i	10	101	90 00	66 48	66 48	0 00	66 48	0 00	2.3330	0	2.3330
8	s	$\frac{1}{3}$	113	59 14	42 08	37 52	24 50	35 12	20 04	0.7777	0.4736	0.9050
9	o	$\frac{1}{2}$	112	"	53 37	49 23	34 46	43 46	24 19	1.1140	0.6943	1.3575
10	k	1	111	"	69 47	66 48	54 14	53 44	28 41	2.3330	1.3886	2.7150

Carrolit.**Regulär.**

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	p	1	111	45°00	54°44	45°00	45°00	35°16	35°16	1'0000	1'0000	1'4142

Cerit.**Rhomblisch.**

a = 0'9988	lga = 999948	lga ₀ = 008955	lg p ₀ = 991045	a ₀ = 1'2290	p ₀ = 0'8137
c = 0'8127	lg c = 990993	lg b ₀ = 009007	lg q ₀ = 990993	b ₀ = 1'2305	q ₀ = 0'8127

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	0∞	010	0°00	90°00	"	90°00	"	90°00	0	∞	∞
3	b	∞0	100	90°00	"	90°00	0°00	90°00	0°00	∞	0	"
4	p	∞	110	45°02	"	"	90°00	45°02	44°58	1'0012	∞	"
5	q	∞3	130	18°27'	"	"	"	18°27'	71°32'	0'3337	"	"
6	n	01	011	0°00	39°06	0°00	39°06	0°00	39°06	0	0'8127	0'8127
7	m	10	101	90°00	39°08	39°08	0°00	39°08	0°00	0'8137	0	0'8137
8	t	30	301	"	67°43'	67°43'	"	67°43'	"	2'4410	"	2'4410
9	r	32	321	56°20'	7°10'	"	58°24'	51°59'	31°38'	"	1'6254	2'9327
10	s	$\frac{1}{2}\frac{2}{3}$	134	18°27'	32°43'	11°29'	31°22'	9°51'	30°51'	0'2033'	0'6095	0'6426
11	o	$\frac{2}{3}\frac{3}{2}$	523	68°13'	55°36'	53°36'	28°27'	50°01'	17°49'	1'3561	0'5418	1'4603

Cerussit.**Rhomblisch.**

a = 0'6100	lga = 978533	lga ₀ = 992619	lg p ₀ = 007381	a ₀ = 0'8437	p ₀ = 1'1853
c = 0'7230	lg c = 985914	lg b ₀ = 014086	lg q ₀ = 985914	b ₀ = 1'3831	q ₀ = 0'7230

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	b	0∞	010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	a	∞0	100	90°00	"	90°00	0°00	90°00	0°00	∞	0	"
4	f	$\frac{2}{3}\frac{3}{2}$	530	69°54'	"	"	90°00	69°54'	20°06'	2'7322'	∞	"
5	m	$\frac{1}{2}\frac{2}{3}$	110	58°37'	"	"	"	58°37'	31°23'	1'6393'	"	"
6	V	$\frac{2}{3}\frac{3}{2}$	350	44°31'	"	"	"	44°31'	45°28'	0'9836	"	"

No.	Buch- staben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d —tg φ
7	z	$\infty 2$	120	39° 20'	90° 00'	90° 00'	90° 00'	39° 20'	50° 39'	0'8197	∞	∞
8	r	$\infty 3$	130	28 39	"	"	"	28 39	61 21	0'5464	"	"
9	I'	$\infty 8$	180	11 35	"	"	"	11 35	78 25	0'2049	"	"
10	c	$0 \frac{1}{8}$	016	0 00	6 52	0 00	6 52	0 00	6 52	0° 00	0'1205	0'1205
11	γ	$0 \frac{1}{4}$	013	"	13 33	"	13 33	"	13 33	"	0'2410	0'2410
12	x	$0 \frac{1}{2}$	012	"	19 52	"	19 52	"	19 52	"	0'3615	0'3615
13	q	$0 \frac{3}{4}$	023	"	25 44	"	25 44	"	25 44	"	0'4820	0'4820
14	k	01	011	"	35 52	"	35 52	"	35 52	"	0'7230	0'7230
15	e	$0 \frac{5}{8}$	087	"	39 34	"	39 34	"	39 34	"	0'8263	0'8263
16	f	$0 \frac{7}{8}$	076	"	40 09	"	40 09	"	40 09	"	0'8435	0'8435
17	S	$0 \frac{15}{16}$	032	"	47 19	"	47 19	"	47 19	"	1'0845	1'0845
18	i	02	021	"	55 20	"	55 20	"	55 20	"	1'4460	1'4460
19	R	$0 \frac{1}{2}$	052	"	61 03	"	61 03	"	61 03	"	1'8075	1'8075
20	v	03	031	"	65 15	"	65 15	"	65 15	"	2'1690	2'1690
21	z	04	041	"	70 55	"	70 55	"	70 55	"	2'8920	2'8920
22	n	05	051	"	74 32	"	74 32	"	74 32	"	3'6150	3'6150
23	t	06	061	"	77 01	"	77 01	"	77 01	"	4'3380	4'3380
24	u	07	071	"	78 49	"	78 49	"	78 49	"	5'0610	5'0610
25	ζ	08	081	"	80 11	"	80 11	"	81 11	"	5'7840	5'7840
26	n	09	091	"	81 16	"	81 16	"	81 16	"	6'5070	6'5070
27	g	0'10	0'10'1	"	82 07	"	82 07	"	82 07	"	7'2300	7'2300
28	h	0'14	0'14'1	"	84 21	"	84 21	"	84 21	"	10'122	10'122
29	a	$\frac{1}{2} 0$	105	90 00	13 20	13 20	0 00	13 20	0 00	0'2370	0	0'2370
30	E	$\frac{1}{4} 0$	104	"	16 30	16 30	"	16 30	"	0'2963	"	0'2963
31	d	$\frac{1}{8} 0$	103	"	21 33	21 33	"	21 33	"	0'3951	"	0'3951
32	y	$\frac{1}{4} 0$	102	"	30 39	30 39	"	30 39	"	0'5926	"	0'5926
33	e	10	101	"	49 50	49 50	"	49 50	"	1'1852	"	1'1852
34	π	$\frac{3}{4} 0$	302	"	60 38	60 38	"	60 38	"	1'7775	"	1'7775
35	l	20	201	"	67 07	67 07	"	67 07	"	2'3705	"	2'3705
36	H	16	161	15 17	77 28	49 50	77 01	14 54	70 19	1'1858	4'3380	4'4970
37	φ	13	131	28 39	67 58	"	65 15	26 23	54 26	"	2'1690	2'4717
38	s	12	121	39 20	61 51	"	55 20	33 59	43 00	"	1'4460	1'8007
39	p	1	111	58 37	54 14	"	35 52	43 51	25 00	"	0'7230	1'3883
40	u	$1 \frac{2}{3}$	323	67 52	51 59	"	25 44	46 52	17 16	"	0'4820	1'2795
41	θ	$1 \frac{1}{3}$	313	78 30	50 25	"	13 33	49 03	8 50	"	0'2410	1'2095
42	η	14'14	14'14'1	58 37	87 03	86 33	84 21	58 29	31 20	16'594	10'122	19'437
43	ε	3	331	"	76 30	74 17	65 15	56 06	30 25	3'5557	2'1690	4'1650
44	τ	2	221	"	70 11	67 08	55 20	53 26	29 20	2'3705	1'4460	2'7767
45	o	$\frac{1}{2}$	112	"	34 46	30 39	19 52	29 08	17 16	0'6064	0'3615	0'6942
46	g	$\frac{1}{3}$	113	"	24 50	21 33	13 33	21 00	12 38	0'3951	0'2410	0'4628
47	h	$\frac{1}{4}$	114	"	19 08	16 30	10 15	16 15	9 50	0'2963	0'1807	0'3471
48	β	$\frac{1}{5} 1$	133	28 39	39 29	21 33	35 52	17 45	33 55	0'3951	0'7230	0'8239
49	λ	$\frac{3}{7} 1$	377	35 05	41 28	26 55	"	22 12	32 48	0'5079	"	0'8836
50	α	$\frac{1}{2} 1$	122	39 20	43 04	30 39	"	25 39	31 53	0'6064	"	0'9348
51	θ	$\frac{3}{2} 1$	322	67 52	62 28	60 38	"	55 14	19 31	1'7779	"	1'9193

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
52	w	21	211	73°02'	68°01'	67°08'	35°52'	62°30'	15°42'	2'3705	0'7230	2'4783
53	Δ	31	311	78°30'	74°35'	74°17'	"	70°52'	11°04'	3'5557	"	3'6285
54	μ	$\frac{3}{2}$	324	67°52'	43°49'	41°38'	19°52'	39°53'	15°07'	0'8889	0'3615	0'9596
55	ϱ	$\frac{3}{2}$	342	50°52'	66°25'	60°38'	55°20'	45°19'	35°20'	1'7779	1'4460	2'2916
56	ξ	$\frac{3}{2}$	394	28°39'	61°39'	41°38'	58°25'	24°58'	50°31'	0'8889	1'6267	1'8538
57	ψ	$\frac{3}{2}$	134	"	31°43'	16°30'	28°28'	14°36'	27°28'	0'2963	0'5422	0'6179
58	δ	$\frac{3}{2}$	562	53°48'	74°46'	71°21'	65°15'	51°08'	34°44'	2'9631	2'1690	3'6722
59	ω	$\frac{3}{2}$	154	18°09'	43°34'	16°30'	42°06'	12°24'	40°45'	0'2963	0'9037	0'9511
60	κ	35	351	44°31'	78°50'	74°17'	74°32'	43°28'	44°23'	3'5557	3'6150	5'0706
61	η	$\frac{3}{2}$	352	"	68°28'	60°38'	61°03'	40°43'	41°32'	1'7779	1'8075	2'5353
62	σ	$\frac{3}{2}$	173	13°11'	60°00'	21°33'	59°20'	11°33'	57°29'	0'3951	1'6870	1'7326
63	N	11'13	11'13	54°12'	86°26'	85°36'	83°55'	54°03'	35°42'	13'038	9'3990	16'072
64	?K	$\frac{3}{2}$	354	44°31'	51°44'	41°38'	42°06'	33°24'	34°02'	0'8889	0'9037	1'2676

Chabasit.

Hexagonal. Rhomboedrisch-hemiedrisch.

c = 1'0860	lg c = 003583	lg a ₀ = 020273	lg p ₀ = 985974	a ₀ = 1'5949	p ₀ = 0'7240	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	0001	—	0°00'	0°00'	0°00'	0°00'	0°00'	0	0	0
2	b	∞0	10T0	0°00'	90°00'	"	90°00'	"	90°00'	"	∞	∞
3	t	10	10T1	"	35°54'	"	35°54'	"	35°54'	"	0'7240	0'7240
4	u	$\frac{3}{2}$ 0	3032	"	47°21'	"	47°21'	"	47°21'	"	1'0860	1'0860
5	v	20	2021	"	55°22'	"	55°22'	"	55°22'	"	1'4480	1'4480
6	w	40	4041	"	65°16'	"	65°16'	"	65°16'	"	2'1720	2'1720
7	x	60	6061	"	77°02'	"	77°02'	"	77°02'	"	4'3440	4'3440
8	e	$-\frac{1}{2}$	1T22	30°00'	32°05'	17°24'	28°30'	15°24'	27°23'	0'3135	0'5430	0'6270
9	df	$\pm\frac{2}{3}$	2243	"	39°54'	22°41'	35°54'	18°42'	33°44'	0'4180	0'7240	0'8360
10	k	$+\frac{3}{2}$	3364	"	43°14'	25°11'	39°10'	20°02'	36°23'	0'4703	0'8145	0'9405
11	r	$+\frac{1}{2}$	1121	"	51°25'	32°05'	47°21'	23°00'	42°37'	0'6270	1'0860	1'2540
12	g	$-\frac{3}{2}$	3362	"	62°00'	43°14'	58°27'	26°12'	49°52'	0'9405	1.6290	1'8810
13	s	-2	3241	"	68°15'	51°26'	65°16'	27°40'	53°33'	1'2540	2'1720	2'5080
14	h	$-\frac{2}{3}$	9'9 18'4	"	70°29'	54°40'	67°44'	28°07'	54°43'	1'4107	2'4435	2'8215
15	o	$+\frac{1}{2}$	4154	10°53'	39°39'	8°54'	39°09'	6°56'	38°49'	0'1567	0'8145	0.8298
16	β	$+\frac{1}{2}$	13'10'23'13	25°41'	48°03'	25°45'	45°04'	18°48'	42°05'	0'4823	1'0025	1.1125
17	i	$+\frac{1}{2}$	14'11'25'14	26°02'	48°18'	26°13'	45°14'	19°08'	42°08'	0'4926	1'0084	1'1223

Chalcomenit.

Monoklin.

$a = 0.7222$	$\lg a = 985866$	$\lg a_0 = 986566$	$\lg p_0 = 013434$	$a_0 = 0.7339$	$p_0 = 1.3625$
$c = 0.9840$	$\lg c = 999300$	$\lg b_0 = 999305$	$\lg q_0 = 999295$	$b_0 = 0.9841$	$q_0 = 0.9839$
$\mu_{180-\beta} = 89.09$	$\lg h = 999995$	$\lg e = 817128$	$\lg p_0 = 014139$	$h = 0.9999$	$e = 0.0148$
	$\lg \sin \mu$	$\lg \cos \mu$			

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	a	0	001	90°00	0°51	0°51	0°00	0°51	0°00	0°0148	0	0°0148
2	c	$\infty 0$	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	m	∞	110	54 10	"	"	90 00	54 10	35 50	1°3848	∞	"
4	f	+20	201	90 00	69 57	69 57	0 00	69 57	0 00	2°7401	0	2°7401
5	g	$-\frac{1}{2}0$	104	90 00	18 03	18 03	"	18 03	"	0°3258	"	0°3258
6	δ	$+1\frac{1}{2}$	212	70 20	55 38	54 01	26 12	51 01	16 07	1°3774	0°4920	1°4620
7	s	$+\frac{1}{2}\frac{3}{2}$	132	25 15	58 30	34 50	55 53	21 20	50 27	0°6961	1°4760	1°6310
8	β	$+\frac{1}{2}3$	162	13 16	71 45	"	71 17	12 35	67 34	"	2°9520	3°0330

Chalcomorphit.

Hexagonal. Holodrisch.

$c = 3.3067$	$\lg c = 051939$	$\lg a_0 = 971917$	$\lg p_0 = 034330$	$a_0 = 0.5238$	$p_0 = 2.2044$	(G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0	0001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	$\infty 0$	1010	0°00	90 00	"	90 00	"	90 00	"	∞	∞
3	p	10	1011	"	65 36	"	65 36	"	65 36	"	2°2044	2°2044

Chalcophanit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 3.5267$	$\lg c = 054737$	$\lg a_0 = 969119$	$\lg p_0 = 037128$	$a_0 = 0.4911$	$p_0 = 2.3511$	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	o	0	0001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	p	1	1121	30°00	76 12	63 50	74 10	29 03	57 15	2°0361	3°5266	4°0722

Chalcosiderit.

Trikila.

$p_o = 0.8018$	$\lambda = 85.47$	$a = 0.7910$	$\alpha = 92.58$	$x_o = 0.0606$	$d = 0.0954$
$q_o = 0.6339$	$\mu = 85.23$	$b = 1$	$\beta = 93.30$	$y_o = 0.0736$	$\delta = 39.29$
$r_o = 1$	$\nu = 72.05$	$c = 0.6051$	$\gamma = 107.41$	$h = 0.9954$	

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x' (Prismen) (x : y)	y'	d' = tge
1	a	∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	b	∞	100	72 05	"	90 00	"	72 05	17 55	3.0930	"	"
3	m	∞	110	40 54	"	"	"	40 54	49 05	0.8664	"	"
4	n	∞	110	116 54	"	"	90 00	63 05	26 54	1.9704	"	"
5	g	∞	210	95 15	"	"	"	84 44	5 15	10.860	"	"
6	π	∞	520	90 31	"	"	"	89 29	0 31	111.38	"	"
7	μ	∞	720	85 05	"	"	"	85 05	4 55	11.630	"	"
8	d	∞	510	81 04	"	"	"	81 04	8 56	6.3630	"	"
9	u	01	011	4 54	35 30	3 29	35 24	2 50	35 21	0.0609	0.7107	0.7134
10	k	01	011	173 49	29 31	"	29 22	3 02	29 19	"	0.5629	0.5662

Childrenit.

Rhombisch.

$a = 0.7780$	$lga = 989098$	$lga_o = 017024$	$lg p_o = 982976$	$a_o = 1.4799$	$p_o = 0.6757$
$c = 0.5257$	$lg c = 972074$	$lg b_o = 027926$	$lg q_o = 972074$	$b_o = 1.9022$	$q_o = 0.5257$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x (Prismen) (x : y)	y	d = tge
1	p	∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	∞	100	90 00	"	90 00	"	90 00	0 00	∞	0	"
3	n	∞	110	52 07	"	"	90 00	52 07	37 53	1.2853	∞	"
4	t	1	111	"	40 34	34 03	27 44	30 53	23 32	0.6757	0.5257	0.8561
5	s	12	121	32 43	51 20	"	46 26	24 58	41 04	"	1.0275	1.2498
6	r	13	131	23 11	59 46	"	57 37	19 53	52 34	"	1.5771	1.7157

Chiolith.

Tetragonal.

$\frac{c}{p_0}$	$= 1.0418$	$\lg c = 0.01779$	$\lg a_0 = 9.98221$	$a_0 = 0.9599$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	?n	$0\frac{1}{2}$	012	0° 00	27 31	"	27 31	"	27 31	"	0.5209	0.5209
3	?x	$\frac{1}{2}$	117	45 00	11 53	8 28	8 28	8 22	8 22	0.1488	0.1488	0.2105
4	o	1	111	"	55 50	46 10	46 10	35 48	35 48	1.0418	1.0418	1.4733

Chloanthit-Smaltin.

Regulär. Pentagonal-hemiedrisch.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	$\begin{Bmatrix} 0 \\ 0\infty \end{Bmatrix}$	$\begin{Bmatrix} 001 \\ 010 \end{Bmatrix}$	— 0° 00	0° 00 90 00	0° 00 "	0° 00 90 00	0° 00 "	0° 00 90 00	0 "	0 ∞	0 ∞
2	B	$\begin{Bmatrix} 0\frac{1}{10} \\ 0\frac{1}{10} \\ \infty 10 \end{Bmatrix}$	$\begin{Bmatrix} 0.1.10 \\ 0.10.1 \\ 1.10.0 \end{Bmatrix}$	" " 5 42	5 42 84 17 90 00	" " 90 00	5 42 84 17 90 00	" " 5 42	5 42 84 17 "	" " 0.1000	0.1000 10.000 ∞	0.1000 10.000 ∞
3	e	$\begin{Bmatrix} 0\frac{1}{5} \\ 05 \\ \infty 5 \end{Bmatrix}$	$\begin{Bmatrix} 015 \\ 051 \\ 150 \end{Bmatrix}$	0 00 " 11 18	11 18 78 41 90 00	0 00 " 90 00	11 18 78 41 90 00	0 00 " 11 18	11 18 78 41 "	0 " 0.2000	0.2000 5.0000 ∞	0.2000 5.0000 ∞
4	a	$\begin{Bmatrix} 0\frac{1}{3} \\ 03 \\ \infty 3 \end{Bmatrix}$	$\begin{Bmatrix} 013 \\ 031 \\ 130 \end{Bmatrix}$	0 00 " 18 26	18 26 71 34 90 00	0 00 " 90 00	18 26 71 34 90 00	0 00 " 18 26	18 26 71 34 "	0 " 0.3333	0.3333 3.0000 ∞	0.3333 3.0000 ∞
5	e	$\begin{Bmatrix} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{Bmatrix}$	$\begin{Bmatrix} 012 \\ 021 \\ 120 \end{Bmatrix}$	0 00 " 26 34	26 34 63 26 90 00	0 00 " 90 00	26 34 63 26 90 00	0 00 " 26 34	26 34 63 26 "	0 " 0.5000	0.5000 2.0000 ∞	0.5000 2.0000 ∞
6	d	$\begin{Bmatrix} 01 \\ \infty \end{Bmatrix}$	$\begin{Bmatrix} 011 \\ 110 \end{Bmatrix}$	0 00 45 00	45 00 90 00	0 00 90 00	45 00 90 00	0 00 45 00	45 00 "	0 1.0000	1.0000 ∞	1.0000 ∞
7	q	$\begin{Bmatrix} \frac{1}{2} \\ 12 \end{Bmatrix}$	$\begin{Bmatrix} 112 \\ 121 \end{Bmatrix}$	" 26 34	35 16 65 54	26 34 45 00	26 34 63 26	24 05 "	24 05 54 44	0.5000 1.0000	0.5000 2.0000	0.7071 2.2360
8	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1.0000	1.4142
9	?D	$\begin{Bmatrix} \frac{1}{8} \\ \frac{1}{3} \\ 38 \end{Bmatrix}$	$\begin{Bmatrix} 138 \\ 183 \\ 381 \end{Bmatrix}$	18 26 7 07 20 33	21 34 69 35 83 19	7 07 18 26 71 34	20 33 69 26 82 53	6 40 "	20 24 68 26 20 24	0.1250 0.3333 3.0000	0.3750 2.6667 8.0000	0.3953 2.6874 8.5440

Chloritgruppe.

(Klinochlor. Ripidolith. Pennin. Kämmererit. Cronstedtit.)

Hexagonal. Rhomboedrisch-hemiedrisch. (?)

[Monoklin?] ¹⁾

$c = 3.3890$	$lg c = 0.53007$	$lg a_0 = 9.70849$	$lg p_0 = 0.35398$	$a_0 = 0.5111$	$p_0 = 2.2593$
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $tg \varrho$
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	∞0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	β	$\frac{4}{3}0$	4049	"	45 07	"	45 07	"	45 07	"	1'0042	1'0042
4	u	$\frac{4}{3}0$	4047	"	52 14	"	52 14	"	52 14	"	1'2910	1'2910
5	n	$\frac{4}{3}0$	4045	"	61 03	"	61 03	"	61 03	"	1'8075	1'8075
6	m	10	1011	"	66 06	"	66 06	"	66 06	"	2'2593	2'2593
7	t	$\frac{4}{3}0$	4043	"	71 38	"	71 38	"	71 38	"	3'0124	3'0124
8	o	20	2021	"	77 31	"	77 31	"	77 31	"	4'5187	4'5187
9	βx	$\frac{4}{11}$	4'4'8'11	30 00	54 54	35 26	50 56	24 09	45 07	0'7115	1'2324	1'4230
10	βy	$\frac{2}{3}$	2245	"	57 25	38 03	53 35	24 55	46 52	0'7826	1'3556	1'5653
11	s	$\frac{1}{2}$	1122	"	62 56	44 22	59 27	26 26	50 27	0'9783	1'6945	1'9566
12	w	$\frac{4}{7}$	4487	"	65 54	48 11	62 41	27 09	52 14	1'1181	1'9635	2'2361
13	z	$\frac{4}{3}$	4485	"	72 17	57 25	69 45	28 26	55 35	1'5653	2'7112	3'1307
14	v	1	1121	"	75 40	62 56	73 33	28 58	57 02	1'9566	3'3890	3'9133
15	q	3	3361	"	85 08	80 20	84 23	29 53	59 38	5'8701	10'167	11'740
16	f	4	4481	"	86 20	82 43	85 47	29 56	59 48	7'8263	13'556	15'653

Chlorocalcit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $tg \varrho$
1	c	$\begin{cases} 0 \\ \infty 0 \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0° 00 \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$
2	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} " \\ 45 00 \end{cases}$	$\begin{cases} 45 00 \\ 90 00 \end{cases}$	$\begin{cases} " \\ 90 00 \end{cases}$	$\begin{cases} 45 00 \\ 90 00 \end{cases}$	$\begin{cases} " \\ 45 00 \end{cases}$	$\begin{cases} 45 00 \\ " \end{cases}$	$\begin{cases} " \\ 1'0000 \end{cases}$	$\begin{cases} 1'0000 \\ \infty \end{cases}$	$\begin{cases} 1'0000 \\ \infty \end{cases}$
3	p	1	111	"	54 44	45 00	45 00	35 16	35 16	"	1'0000	1'4142

¹⁾ Ueber die monokline Deutung der Formen siehe die Bemerkungen am Schluss der Tabellen. Die Umdeutung ändert die Winkel nicht.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	χ (Prismen) (x : y)	y	d = $\lg \mu$
1	c	$\begin{cases} 0 \\ 100 \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} — \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	d	$\begin{cases} 01 \\ 1\infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ " \end{matrix}$	$\begin{matrix} " \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
3	q	$\begin{cases} \frac{1}{2} \\ 112 \end{cases}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7071 \\ 2^\circ 2306 \end{matrix}$
4	p	1	111	45° 00	54° 44	"	45° 00	35° 16	35° 16	"	1° 0000	1° 4142
5	u	$\begin{cases} \frac{1}{2} 1 \\ 12 \end{cases}$	$\begin{matrix} 122 \\ 221 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 48^\circ 11' \\ 70^\circ 31' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} " \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 19^\circ 28' \\ 41^\circ 48' \end{matrix}$	$\begin{matrix} 41^\circ 48' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} " \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 1180 \\ 2^\circ 8284 \end{matrix}$

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) ($x:y$)	y	d $= \operatorname{tg} \alpha$
I	p	I	III	45°00	54°44	45°00	45°00	35°16	35°16	1'0000	1'0000	1'4142

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tgc
1	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
2	m	$\begin{cases} \frac{1}{3} \\ 13 \end{cases}$	$\begin{matrix} 113 \\ 131 \end{matrix}$	$\begin{matrix} " \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 25^\circ 14' \\ 72^\circ 27' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \end{matrix}$	$\begin{matrix} 17^\circ 33' \\ " \end{matrix}$	$\begin{matrix} 17^\circ 33' \\ 64^\circ 45' \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 3^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 4714 \\ 3^\circ 1623 \end{matrix}$
3	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1° 0000	1° 4142
4	u	$\begin{cases} \frac{1}{2} 1 \\ 2 \end{cases}$	$\begin{matrix} 122 \\ 221 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 48^\circ 11' \\ 70^\circ 31' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} " \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 19^\circ 28' \\ 41^\circ 48' \end{matrix}$	$\begin{matrix} 41^\circ 48' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} " \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 1180 \\ 2^\circ 8284 \end{matrix}$

Chrysoberyll.**Rhombsch.**

$a = 0.470$	$\lg a = 967210$	$\lg a_0 = 990867$	$\lg p_0 = 009133$	$a_0 = 0.8103$	$p_0 = 1.2340$
$c = 0.580$	$\lg c = 976343$	$\lg b_0 = 023657$	$\lg q_0 = 976343$	$b_0 = 1.7241$	$q_0 = 0.5800$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	b	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	c	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	m	∞	110	64° 49'	"	"	90° 00	64° 49'	25° 10'	2.1276	∞	"
5	u	∞ $\frac{3}{2}$	230	54° 49'	"	"	"	54° 49'	35° 11'	1.4184	"	"
6	s	∞2	120	46° 46'	"	"	"	46° 46'	43° 13'	1.0638	"	"
7	r	∞3	130	35° 20'	"	"	"	35° 20'	54° 39'	0.7092	"	"
8	f	∞ $\frac{7}{2}$	270	31° 17'	"	"	"	31° 17'	58° 42'	0.6079	"	"
9	d	∞6	160	19° 31'	"	"	"	19° 31'	70° 28'	0.3546	"	"
10	i	01	011	0° 00	30° 07	0° 00	30° 07	0° 00	30° 07	0	0.5800	0.5800
11	k	02	021	"	49° 14	"	49° 14	"	49° 14	"	1.1600	1.1600
12	e	03	031	"	60° 07	"	60° 07	"	60° 07	"	1.7400	1.7400
13	z	$\frac{3}{2}0$	203	90° 00	39° 26'	39° 26'	0° 00	39° 26'	0° 00	0.8227	0	0.8227
14	y	$\frac{1}{2}0$	102	"	31° 40'	31° 40'	"	31° 40'	"	0.6170	"	0.6170
15	x	10	101	"	50° 59	50° 59	"	50° 59	"	1.2340	"	1.2340
16	p	16	161	19° 31'	74° 51	"	73° 58	18° 49	65° 28	"	3.4800	3.6923
17	n	12	121	46° 46'	59° 26'	"	49° 14	38° 51'	36° 08'	"	1.1600	1.6938
18	o	1	111	64° 49'	53° 44'	"	30° 07	46° 52	20° 03'	"	0.5800	1.3635
19	w	$\frac{1}{2}1$	122	46° 46'	40° 15'	31° 40'	"	28° 05'	26° 16	0.6170	"	0.8468
20	v	21	211	76° 46'	68° 28'	67° 56'	"	64° 54	12° 17	2.4680	"	2.5353

Claudetit.**Monoklin.**

$a = 0.4040$	$\lg a = 960638$	$\lg a_0 = 006919$	$\lg p_0 = 993081$	$a_0 = 1.1727$	$p_0 = 0.8527$
$c = 0.3445$	$\lg c = 953719$	$\lg b_0 = 046281$	$\lg q_0 = 953616$	$b_0 = 2.9027$	$q_0 = 0.3437$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 86.03$	$\lg h = \left. \begin{matrix} 999897 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 883813 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 039465$	$h = 0.9976$	$e = 0.0689$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = tge
1	b	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	p	∞	110	68° 03	"	"	90° 00	68° 03	21° 57	2.4811	∞	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
4	r	$\infty 2$	120	51° 07'	90° 00'	90° 00'	90° 00'	51° 07'	38° 52'	1'2405'	∞	∞
5	s	$\infty 3$	130	39 35'	"	"	"	39 35'	50 24'	0'8270	"	"
6	t	$\infty 10$	1'10'0	13 56	"	"	"	13 56	76 04	0.2481	"	"
7	γ	01	011	11 20	19 21'	3 57	19 00'	3 44	18 58	0'0690'	0'3445	0'3514
8	β	02	021	5 43'	34 42	"	34 34	3 15	34 30	"	0'6890	0'6925
9	d	+10	101	90 00	42 44	42 44	0 00	42 44	0 00	0'9238	0	0'9238
10	q	-10	101	90 00	38 09'	38 09'	"	38 09'	"	0'7856	"	0'7856
11	o	+1	111	69 33	44 35'	42 44	19 00'	41 08	14 12	0'9238	0'3445	0'9854
12	g	-1	111	66 19'	40 37'	38 09'	"	36 36'	15 09'	0'7856	"	0'8579

Cölestin.

Rhombisch.

$a = 0.7811$	$\lg a = 989271$	$\lg a_0 = 978448$	$\lg p_0 = 021552$	$a_0 = 0.6088$	$p_0 = 1.6426$
$c = 1.2830$	$\lg c = 010823$	$\lg b_0 = 989177$	$\lg q_0 = 010823$	$b_0 = 0.7794$	$q_0 = 1.2830$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	a	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	b	0 ∞	010	0° 00'	90 00	"	90 00	"	90 00	0	∞	∞
3	c	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	p	2 ∞	210	68 40	"	"	90 00	68 40	21 20	2'5604'	∞	"
5	t	$\frac{5}{3}\infty$	530	64 53'	"	"	"	64 53'	25 06'	2'1337'	"	"
6	u	$\frac{1}{2}\infty$	320	62 29'	"	"	"	62 29'	27 30'	1'9203'	"	"
7	ω	$\frac{7}{3}\infty$	750	60 50'	"	"	"	60 50'	29 09'	1'7923	"	"
8	γ	$\frac{8}{3}\infty$	650	56 56'	"	"	"	56 56'	33 03'	1'5363	"	"
9	m	∞	110	52 00'	"	"	"	52 00'	37 59'	1'2802'	"	"
10	n	$\infty 2$	120	32 37'	"	"	"	32 37'	57 22'	0'6401	"	"
11	a	0 $\frac{1}{20}$	0'1'20	0 00	3 40	0 00	3 40	0 00	3 40	0	0'0641'	0'0641'
12	ξ	0 $\frac{1}{12}$	0'1'12	"	6 06	"	6 06	"	6 06	"	0'1064'	0'1064'
13	b	0 $\frac{1}{10}$	0'1'10	"	7 18'	"	7 18'	"	7 18'	"	0'1283	0'1283
14	ϱ	0 $\frac{1}{8}$	018	"	9 06'	"	9 06'	"	9 06'	"	0'1603'	0'1603'
15	r	0 $\frac{1}{5}$	015	"	14 23'	"	14 23'	"	14 23'	"	0'2566	0'2566
16	i	0 $\frac{1}{3}$	013	"	23 09'	"	23 09'	"	23 09'	"	0'4276'	0'4276'
17	h	0 $\frac{1}{2}$	012	"	32 41	"	32 41	"	32 41	"	0.6415	0'6415
18	ζ	0 $\frac{2}{3}$	023	"	40 32'	"	40 32'	"	40 32'	"	0'8553'	0'8553'
19	o	01	011	"	52 04	"	52 04	"	52 04	"	1'2830	1'2830
20	s	02	021	"	68 42'	"	68 42'	"	68 42'	"	2.5660	2'5660
21	δ	$\frac{1}{8}0$	108	90 00	11 36	11 36	0 00	11 36	0 00	0'2053	0	0'2053

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
22	λ	$\frac{1}{2}0$	2011	90°00	16°37'	16°37'	0°00	16°37'	0°00	0'2986	0	0'2986
23	c	$\frac{1}{2}0$	105	"	18 11	18 11	"	18 11	"	0'3285	"	0'3285
24	l	$\frac{1}{2}0$	104	"	22 19	22 19	"	22 19	"	0'4106	"	0'4106
25	v	$\frac{2}{3}0$	207	"	25 08	25 08	"	25 08	"	0'4693	"	0'4693
26	g	$\frac{1}{2}0$	103	"	28 42	28 42	"	28 42	"	0'5475	"	0'5475
27	d	$\frac{1}{2}0$	102	"	39 23	39 23	"	39 23	"	0'8213	"	0'8213
28	e	$\frac{2}{3}0$	304	"	50 56	50 56	"	50 56	"	1'2319	"	1'2319
29	k	$\frac{1}{2}0$	101	"	58 40	58 40	"	58 40	"	1'6425	"	1'6425
30	?X	$\frac{2}{3}0$	908	"	61 34	61 34	"	61 34	"	1'8478	"	1'8478
31	N	$\frac{2}{3}0$	705	"	66 30	66 30	"	66 30	"	2'2996	"	2'2996
32	a	$\frac{1}{2}1$	115	52 00	22 37	18 11	14 23	17 39	13 42	0'3285	0'2566	0'4169
33	q	$\frac{1}{2}1$	114	"	27 31	22 19	17 47	21 21	16 31	0'4106	0'3207	0'5211
34	f	$\frac{1}{2}1$	113	"	34 47	28 42	23 09	26 43	20 33	0'5475	0'4276	0'6948
35	s	$\frac{1}{2}1$	112	"	46 11	39 23	32 41	34 39	26 22	0'8213	0'6415	1'0421
36	z	1	111	"	64 22	58 40	52 04	45 16	33 42	1'6425	1'2830	2'0842
37	σ	2	221	"	76 30	73 04	68 42	50 01	36 46	3'2851	2'5660	4'1685
38	β	12	121	32 37	71 49	58 40	"	30 48	53 09	1'6425	"	3'0467
39	θ	13	131	23 06	76 33	"	75 26	22 26	63 27	"	3'8490	4'1848
40	R	$\frac{1}{2}1$	1'19'19	3 51	52 07	4 56	52 04	3 02	51 58	0'0864	1'2830	1'2859
41	π	$\frac{1}{2}1$	1'16'16	4 34	52 09	5 51	"	3 36	51 55	0'1026	"	1'2871
42	b	$\frac{1}{2}1$	1'10'10	7 17	52 17	9 19	"	5 46	51 41	0'1642	"	1'2934
43	φ	$\frac{1}{2}1$	166	12 02	52 41	15 18	"	9 33	51 03	0'2737	"	1'3119
44	L	$\frac{1}{2}1$	155	14 21	52 56	18 11	"	11 25	50 38	0'3285	"	1'3244
45	x	$\frac{1}{2}1$	144	17 45	53 24	22 19	"	14 10	49 53	0'4106	"	1'3471
46	η	$\frac{2}{3}1$	277	20 05	53 47	25 08	"	16 05	49 16	0'4693	"	1'3661
47	ψ	$\frac{1}{2}1$	133	23 06	54 22	28 42	"	18 36	48 22	0'5475	"	1'3950
48	y	$\frac{1}{2}1$	122	32 37	56 43	39 23	"	26 47	44 45	0'8213	"	1'5233
49	f	$\frac{1}{2}1$	214	68 40	41 24	"	17 47	38 01	13 55	"	0'3207	0'8817
50	e	$\frac{1}{2}1$	326	62 29	42 48	"	23 09	37 03	18 17	"	0'4277	0'9260
51	w	$\frac{1}{2}1$	5'12'10	28 04	60 11	"	56 59	24 06	49 57	"	1'5396	1'7449
52	μ	$\frac{1}{2}2$	132	23 06	64 27	"	62 32	20 44	56 05	"	1'9245	2'0924
53	τ	$\frac{1}{2}2$	142	17 45	69 38	"	68 42	16 36	63 14	"	2'5660	2'6942
54	θ	$\frac{1}{2}2$	124	32 37	37 17	22 19	32 41	19 04	30 41	0'4106	0'6415	0'7616
55	v	$\frac{2}{3}2$	324	62 29	54 15	50 56	"	46 02	22 08	1'2319	"	1'3889
56	A	$\frac{1}{2}2$	143	17 45	60 53	28 42	59 41	15 26	56 19	0'5475	1'7107	1'7961
57	B	$\frac{1}{2}2$	153	14 21	65 37	"	64 26	13 03	61 56	"	2'1382	2'2073
58	x	$\frac{1}{2}2$	135	23 06	39 55	18 11	37 35	14 35	36 11	0'3285	0'7698	0'8370
59	D	$\frac{2}{3}2$	215	68 40	33 12	33 18	14 23	32 28	12 06	0'6570	0'2566	0'7054
60	E	$\frac{1}{2}2$	146	17 45	41 55	15 18	40 32	11 45	39 31	0'2737	0'8553	0'8981
61	F	$\frac{1}{2}2$	187	9 05	56 02	13 12	55 42	7 32	54 59	0'2346	1'4663	1'4849
62	G	$\frac{1}{2}2$	129	32 37	18 42	10 20	15 55	9 57	15 40	0'1825	0'2851	0'3385
63	H	$\frac{1}{2}2$	1'24'23	3 03	53 17	4 05	53 14	2 27	53 10	0'0714	1'3388	1'3407
64	I	$\frac{1}{2}2$	1'16'24	4 34	40 38	3 55	40 32	2 58	40 28	0'0684	0'8553	0'8581
65	K	$\frac{2}{3}2$	253	27 07	67 24	47 36	64 26	24 53	55 15	1'0950	2'1382	2'4024
66	?V	$\frac{2}{3}2$	524	72 39	65 04	64 02	32 41	59 56	15 41	2'0532	0'6415	2'1510

Colemanit.

Monoklin.

$a = 0.7755$	$\lg a = 988958$	$\lg a_0 = 015598$	$\lg p_0 = 984402$	$a_0 = 1.4321$	$p_0 = 0.6983$
$c = 0.5415$	$\lg c = 973360$	$\lg b_0 = 026640$	$\lg q_0 = 970598$	$b_0 = 1.8467$	$q_0 = 0.5081$
$\mu_{180-\beta} = 69.47$	$\lg h = 997238$	$\lg e = 953854$	$\lg \frac{p_0}{q_0} = 013804$	$h = 0.9384$	$e = 0.3456$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
1	g	0	001	90°00	20°13	20°13	0°00	20°13	0°00	0.3682	0	0.3682
2	m	00	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	n	00	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	t	20	210	70 00	"	"	90 00	70 00	19 59	2.7483	∞	"
5	s	∞	110	53 57	"	"	"	53 57	36 02	1.3741	"	"
6	z	$\infty 2$	120	34 29	"	"	"	34 29	55 30	0.6871	"	"
7	c	01	011	34 13	33 13	20 13	28 26	17 56	26 56	0.3683	0.5415	0.6549
8	a	02	021	18 57	48 50	"	47 17	14 01	45 28	"	1.0830	1.1439
9	V	+10	101	90 00	48 03	48 03	0 00	48 03	0 00	1.1126	0	1.1126
10	λ	+20	201	"	61 41	61 41	"	61 41	"	1.8566	"	1.8566
11	i	-10	101	90 00	20 36	20 36	"	20 36	"	0.3758	"	0.3758
12	h	-20	201	"	48 14	48 14	"	48 14	"	1.1200	"	1.1200
13	W	-30	301	"	61 47	61 47	"	61 47	"	1.8641	"	1.8641
14	Ψ	-40	401	"	69 01	69 01	"	69 01	"	2.6083	"	2.6083
15	U	-60	601	"	76 17	76 17	"	76 17	"	4.0966	"	4.0966
16	G	+7	771	55 48	81 34	79 50	75 13	54 54	33 47	5.5773	3.7905	6.7434
17	σ	+3	331	58 00	71 56	68 58	58 23	53 44	30 14	2.6007	1.6245	3.0664
18	b	+1	111	64 03	51 03	48 03	28 26	44 22	19 54	1.1124	0.5670	1.2372
19	y	-1	111	34 46	33 23	20 36	"	18 17	26 53	0.3758	"	0.6592
20	v	-2	221	45 58	57 18	48 14	47 17	37 14	35 48	1.1200	1.0830	1.5580
21	q	-3	331	48 56	67 59	61 47	58 23	44 20	37 31	1.8642	1.6245	2.4726
22	ω	+13	131	34 24	63 04	48 03	"	30 15	47 21	1.1124	"	1.9689
23	e	+12	121	45 46	57 13	"	47 17	37 02	35 54	"	1.0830	1.5525
24	r	-1 $\frac{1}{2}$	232	24 50	41 50	20 36	39 05	16 16	37 15	0.3758	0.8122	0.8950
25	d	-12	121	19 08	48 54	"	47 17	14 18	45 23	"	1.0830	1.1464
26	x	-13	131	13 01	59 03	"	58 23	11 09	56 40	"	1.6245	1.6673
27	k	+31	311	78 14	69 22	68 58	28 26	66 23	11 00	2.6008	0.5415	2.6565
28	Φ	+71	711	84 27	79 53	79 50	"	78 28	5 27	5.5772	"	5.6035
29	C	+10.1	10.1.1	86 02	82 43	82 42	"	81 42	3 56	7.8098	"	7.8285
30	o	-21	211	64 12	51 12	48 14	"	44 34	19 50	1.1200	"	1.2440
31	Θ	-31	311	73 48	62 44	61 47	"	58 37	14 21	1.8641	"	1.9412
32	B	-41	411	78 16	69 25	69 01	"	66 26	10 58	2.6083	"	2.6639
33	ϱ	-2 $\frac{1}{2}$	412	76 24	49 03	48 14	15 09	47 14	10 13	1.1200	0.2700	1.1523

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
34	e	—23	231	34° 35'	63° 07'	48° 14'	58° 23'	30° 25'	47° 15'	1'1200	1'6245'	1'9731
35	Q	—24	241	79° 03'	48° 45'	"	12° 13'	47° 35'	8° 12'	"	0'2166	1'1407
36	r	—32	321	59° 50'	65° 07'	61° 47'	47° 17'	51° 40'	27° 06'	1'8641'	1'0830	2'1559
37	w	—72	721	77° 23'	78° 36'	78° 19'	"	73° 04'	12° 21'	4'8407	"	4'9604
38	D	+73	731	73° 45'	80° 14'	79° 50'	58° 23'	71° 07'	16° 00'	5'5772'	1'6245	5'8090

Columbit.

Rhombisch.

a = 0'4023	lg a = 960455	lg a ₀ = 005067	lg p ₀ = 994933	a ₀ = 1'1237	p ₀ = 0'8899
c = 0'3580	lg c = 955388	lg b ₀ = 044612	lg q ₀ = 955388	b ₀ = 2'7933	q ₀ = 0'3580

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	b	0∞	010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	a	∞0	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
4	g	∞	110	68° 05'	"	"	90° 00'	68° 05'	21° 55'	2'4857	∞	"
5	m	∞3	130	39° 38'	"	"	"	39° 38'	50° 21'	0'8286	"	"
6	z	∞5	150	26° 26'	"	"	"	26° 26'	63° 34'	0'4971'	"	"
7	y	∞6	160	22° 30'	"	"	"	22° 30'	67° 30'	0'4143	"	"
8	d	∞7	170	19° 33'	"	"	"	19° 33'	70° 27'	0'3551	"	"
9	l	0½	012	0° 00'	10° 09'	0° 00'	10° 09'	0° 00'	10° 09'	0	0'1790	0'1790
10	k	01	011	"	19° 42'	"	19° 42'	"	19° 42'	"	0'3580	0'3580
11	f	0½	032	"	28° 14'	"	28° 14'	"	28° 14'	"	0'5370	0'5370
12	μ	0⅔	085	"	29° 48'	"	29° 48'	"	29° 48'	"	0'5728	0'5728
13	h	02	021	"	35° 36'	"	35° 36'	"	35° 36'	"	0'7160	0'7160
14	λ	0⅔	083	"	43° 40'	"	43° 40'	"	43° 40'	"	0'9546	0'9546
15	i	10	101	90° 00'	41° 40'	41° 40'	0° 00'	41° 40'	0° 00'	0'8899	0	0'8899
16	e	20	201	"	60° 39'	60° 39'	"	60° 39'	"	1'7785	"	1'7785
17	x	16	161	22° 30'	66° 43'	41° 40'	65° 02'	20° 35'	58° 04'	0'8899	2'1480	2'3250
18	o	13	131	39° 38'	54° 21'	"	47° 02'	31° 14'	38° 44'	"	1'0740	1'3947
19	β	12	121	51° 11'	48° 48'	"	35° 36'	35° 53'	28° 08'	"	0'7160	1'1422
20	u	1	111	68° 05'	43° 48'	"	19° 42'	39° 57'	14° 58'	"	0'3580	0'9590
21	α	½1	133	39° 38'	24° 56'	16° 31'	"	15° 36'	18° 56'	0'2966	"	0'4649
22	n	21	211	78° 37'	61° 09'	60° 40'	"	59° 10'	9° 57'	1'7798	"	1'8154
23	φ	41	411	84° 15'	74° 23'	74° 18'	"	73° 23'	5° 32'	3'5595	"	3'5774
24	r	9	991	68° 05'	83° 23'	82° 53'	72° 45'	67° 09'	21° 45'	8'0088	3'2219	8'6327
25	s	2	221	"	62° 28'	60° 40'	35° 36'	55° 21'	19° 19'	1'7798	0'7160	1'9184
26	t	24	241	51° 11'	66° 21'	"	55° 04'	45° 32'	35° 03'	"	1'4320	2'2843
27	σ	½2	163	22° 30'	37° 46'	16° 31'	35° 36'	13° 33'	34° 28'	0'2966	0'7160	0'7750
28	π	23	231	58° 53'	64° 18'	60° 40'	47° 02'	50° 29'	27° 45'	1'7798	1'0740	2'0788

Connellit.

Hexagonal. Holodrisch.

$c = 2.0031$	$\lg c = 0.30170$	$\lg a_0 = 9.93686$	$\lg p_0 = 0.12561$	$a_0 = 0.8647$	$p_0 = 1.3354$	(G_1)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) ($x:y$)	y	d $= \operatorname{tg} \varrho$
1	c	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞o	10T0	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞	1120	30° 00	"	90° 00	"	30° 00	60° 00	0.5773	"	"
4	r	10	10T1	0° 00	53° 10	0° 00	53° 10	0° 00	53° 10	o	1.3354	1.3354
5	o	$\frac{1}{3} \frac{1}{3} \frac{2}{3}$	11'2'T3'3	8° 13	79° 30	37° 38	79° 24	8° 04	76° 42	0.7710	5.3416	5.3970

Copiapit.

Monoklin.

$a = 0.4791$	$\lg a = 9.68043$	$\lg a_0 = 9.69138$	$\lg p_0 = 0.30862$	$a_0 = 0.4913$	$p_0 = 2.0353$
$c = 0.9751$	$\lg c = 9.98905$	$\lg b_0 = 0.01095$	$\lg q_0 = 9.96738$	$b_0 = 1.0255$	$q_0 = 0.9276$
$\mu = \frac{1}{180} - \beta$	$\lg h = \frac{1}{72} 0.03$	$\lg \sin \mu = 9.97833$	$\lg e = \frac{1}{94} 8.881$	$\lg p_0 = 0.34124$	$h = 0.9513$
			$\lg q_0 = 0.34124$		$e = 0.3082$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) ($x:y$)	y'	d' $= \operatorname{tg} \varrho$
1	b	o∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	o	∞	∞
2	m	∞	110	65° 30	"	90° 00	"	65° 30	24° 30	2.1940	"	"
3	p	∞2	120	47° 39	"	"	"	47° 39	42° 21	1.0970	"	"
4	s	$0 \frac{1}{3}$	015	58° 57	20° 43	17° 57	11° 02	17° 38	10° 30	0.3239	0.1950	0.3781
5	r	$0 \frac{2}{3}$	023	26° 29	35° 59	"	33° 01	15° 12	31° 44	"	0.6501	0.7263
6	q	01	011	18° 23	45° 46	"	44° 17	13° 03	42° 51	"	0.9751	1.0275
7	d	$-\frac{4}{3} 0$	409	90° 00	32° 05	32° 05	0° 00	32° 05	0° 00	0.6269	o	0.6269
8	o	$-\frac{4}{3}$	449	55° 21	37° 19	"	23° 26	39° 59	20° 10	"	0.4334	0.7021
9	x	$+\frac{4}{3} \frac{2}{3}$	427	79° 47	57° 31	57° 07	15° 34	56° 08	8° 36	1.5465	0.2786	1.5713
10	n	$-\frac{1}{6} \frac{1}{6}$	7'4'28	56° 33	14° 11	11° 54	7° 56	11° 48	7° 46	0.2108	0.1393	0.2527
11	y	$-\frac{5}{6} \frac{5}{6}$	15'2'18	85° 45	55° 39	55° 44	6° 11	55° 25	3° 30	1.4589	0.1083	1.4029

Coquimbit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 2.7098$	$\lg c = 0.43294$	$\lg a_0 = 9.80562$	$\lg p_0 = 0.25685$	$a_0 = 0.6392$	$p_0 = 1.8065$ (G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞o	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	z	$\frac{1}{2}o$	1013	0 00	31 03	0 00	31 03	0 00	31 03	o	0.6022	0.6022
5	n	$-\frac{1}{2}o$	3037	"	37 45	"	37 45	"	37 45	"	0.7742	0.7742
6	y	$\frac{1}{2}o$	1012	"	42 05	"	42 05	"	42 05	"	0.9033	0.9033
7	q	$\frac{3}{2}o$	3035	"	47 18	"	47 18	"	47 18	"	1.0839	1.0839
8	β	$-\frac{3}{2}o$	3034	"	53 34	"	53 34	"	53 34	"	1.3549	1.3549
9	x η	$\pm 1o$	1011	"	61 02	"	61 02	"	61 02	"	1.8065	1.8065
10	ω	$\frac{3}{2}o$	3032	"	69 44	"	69 44	"	69 44	"	2.7098	2.7098
11	a A	$\pm 3o$	3031	"	79 33	"	79 33	"	79 33	"	5.4196	5.4196
12	d	$\frac{1}{2}$	1122	30 00	57 25	38 02	53 34	24 55	46 51	0.7822	1.3549	1.5645
13	e	1	1121	"	72 16	57 25	69 44	28 26	55 34	1.5645	2.7098	3.1290

Cordierit.

Rhombisch.

$a = 0.5871$	$\lg a = 9.76871$	$\lg a_0 = 0.02176$	$\lg p_0 = 9.97824$	$a_0 = 1.0514$	$p_0 = 0.9511$
$c = 0.5584$	$\lg c = 9.74695$	$\lg b_0 = 0.25305$	$\lg q_0 = 9.74695$	$b_0 = 1.7908$	$q_0 = 0.5584$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	o∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞o	100	90 00	"	90 00	0 00	90 00	0 00	∞	o	"
4	m	∞	110	59 35	"	"	90 00	59 35	30 25	1.7033	∞	"
5	d	∞3	130	29 35	"	"	"	29 35	60 25	0.5677	"	"
6	l	$o\frac{1}{2}$	012	0 00	15 36	0 00	15 36	0 00	15 36	o	0.2792	0.2792
7	n	01	011	"	29 11	"	29 11	"	29 11	"	0.5584	0.5584
8	p	02	021	"	48 10	"	48 10	"	48 10	"	1.1168	1.1168
9	q	04	041	"	65 53	"	65 53	"	65 53	"	2.2336	2.2336
10	f	$\frac{1}{2}o$	102	90 00	25 26	25 26	0 00	25 26	0 00	0.4755	o	0.4755
11	e	10	101	"	43 34	43 34	"	43 34	"	0.9511	"	0.9511
12	h	2	221	59 35	65 37	62 16	48 09	51 45	27 27	1.9022	1.1168	2.2058

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
13	r	1	111	59° 35'	47° 48'	43° 34'	29° 10'	39° 42'	22° 01'	0'9511	0'5584	1'1029
14	s	$\frac{1}{2}$	112	"	28 52'	25 26	15 36	24 36'	14 09	0'4755'	0'2792	0'5515
15	t	$\frac{1}{4}$	114	"	15 25	13 22'	7 57	13 15	7 44	0'2378	0'1396	0'2757
16	o	13	131	29 35	62 34	43 34	59 10	25 59'	50 31	0'9511	1'6752	1'9264
17	? π	$\frac{1}{2} \frac{3}{2}$	132	"	43 55'	25 26	39 57	20 02	37 06'	0'4755'	0'8376	0'9632
18	u	$\frac{1}{4} \frac{3}{4}$	134	"	25 43	13 22'	22 43'	12 22	22 10	0'2378	0'4188	0'4816

Corynit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	p	1	111	45° 00'	54° 44'	45° 00'	45° 00'	35° 16'	35° 16'	1'0000	1'0000	1'4142

Cosalith.

Rhomboed.

a = 0'9188	lg a = 996322	lg a ₀ = 979881	lg p ₀ = 020119	a ₀ = 0'6292	p ₀ = 1'5892
c = 1'4602	lg c = 016441	lg b ₀ = 983559	lg q ₀ = 016441	b ₀ = 0'6848	q ₀ = 1'4602

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	b	0 ∞	010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	a	$\infty 0$	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
4	i	$\infty 4$	140	15 13'	"	"	90° 00'	15 13'	74 46'	0'2721	∞	"
5	f	01	011	0° 00'	55 35'	0° 00'	55 35'	0° 00'	55 35'	0	1'4602	1'4602
6	d	$\frac{1}{2} 0$	104	90° 00'	21 40'	21 40'	0° 00'	21 40'	0° 00'	0'3973	0	0'3973
7	e	10	101	"	57 49'	57 49'	"	57 49'	"	1'5892	"	1'5892
8	k	2	221	47 25'	76 57'	72 32'	71 06'	45 50'	41 14'	3'1784	2'9204	4'3164
9	g	$\frac{1}{2} 1$	144	15 13'	56 32'	21 40'	55 35'	12 39'	53 36'	0'3973	1'4636	1'5133
10	h	$\frac{1}{2} 2$	142	"	71 43'	35 28'	71 06'	14 26'	66 22'	0'7946	2'9204	3'0266

Cotunnit.**Rhomboisch.**

$a = 0.5937$	$\lg a = 977357$	$\lg a_0 = 969788$	$\lg p_0 = 030212$	$a_0 = 0.4987$	$p_0 = 2.0050$
$c = 1.1904$	$\lg c = 007569$	$\lg b_0 = 992431$	$\lg q_0 = 007569$	$b_0 = 0.8401$	$q_0 = 1.1904$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	a	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	c	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	r	0 $\frac{1}{2}$	012	0 00	30 45	0 00	30 45	0 00	30 45	0	0.5952	0.5952
5	m	01	011	"	49 58	"	49 58	"	49 58	"	1.1904	1.1904
6	q	02	021	"	67 13	"	67 13	"	67 13	"	2.3807	2.3807
7	e	10	101	90 00	63 29	63 29	0 00	63 29	0 00	2.0050	0	2.0050
8	p	$\frac{1}{2}$	112	59 18	49 23	45 04	30 45	40 44	22 48	1.0025	0.5952	1.1659
9	s	1	111	"	66 47	63 29	49 58	52 12	27 59	2.0050	1.1904	2.3318

Cuban.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} — \\ 0° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	e	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{array} \right.$	$\left\{ \begin{array}{l} 012 \\ 021 \\ 120 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 26 34 \end{array} \right.$	$\left\{ \begin{array}{l} 26 34 \\ 63 26 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 26 34 \\ 63 26 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 26 34 \end{array} \right.$	$\left\{ \begin{array}{l} 26 34 \\ 63 26 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 0.5000 \end{array} \right.$	$\left\{ \begin{array}{l} 0.5000 \\ 2.0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0.5000 \\ 2.0000 \\ \infty \end{array} \right.$

Cuspidin.**Monoklin.**

$a = 0.7196$	$\lg a = 985709$	$\lg a_0 = 956875$	$\lg p_0 = 043125$	$a_0 = 0.3705$	$p_0 = 2.6993$
$c = 1.9424$	$\lg c = 028834$	$\lg b_0 = 971166$	$\lg q_0 = 028832$	$b_0 = 0.5184$	$q_0 = 1.9423$
$\mu_{180} = \left\{ \begin{array}{l} 1 \\ -\beta \end{array} \right. 89° 31$	$\left\{ \begin{array}{l} \lg h \\ \lg \sin \mu \end{array} \right. = \left\{ \begin{array}{l} 999998 \\ \end{array} \right.$	$\left\{ \begin{array}{l} \lg e \\ \lg \cos \mu \end{array} \right. = \left\{ \begin{array}{l} 792612 \\ \end{array} \right.$	$\lg \frac{p_0}{q_0} = 014293$	$h = 0.9999$	$e = 0.0084$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' = tg ϱ
1	c	0	001	90° 00	0° 29	0° 29	0° 00	0° 29	0° 00	0.0084	0	0.0084
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	l	∞	110	54 16	"	"	"	54 16	35 44	1.3997	"	"

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
4	k	$0\frac{1}{4}$	014	1° 00	25° 54	0° 29	25° 54	0° 26	25° 54	0° 0084	0° 4856	0° 4857
5	g	$0\frac{1}{2}$	012	0 30	44 10	"	44 10	0 21	44 10	"	0° 9712	0° 9713
6	d	01	011	0 15	62 45	"	62 45	0 13	62 45	"	1° 9424	1° 9424
7	e	$+\frac{1}{10}$	101	90 00	69 44	69 44	0 00	69 44	0 00	2° 7078	0	2° 7078
8	h	$+\frac{1}{30}$	103	"	42 14	42 14	"	42 14	"	0° 9082	"	0° 9082
9	f	$-\frac{1}{10}$	101	90 00	69 37	69 37	"	69 37	"	2° 6910	"	2° 6910
10	n	$+\frac{1}{3}$	111	54 21	73 17	69 44	62 45	51 06	33 56	2° 7078	1° 9424	3° 3325
11	p	$+\frac{1}{3}$	113	54 31	48 07	42 15	32 55	37 19	25 36	0° 9082	0° 6475	1° 1154
12	π	$-\frac{1}{3}$	113	54 00	47 46	41 43	"	36 48	25 47	0° 8914	"	1° 1107
13	r	-1	111	54 10	73 14	69 37	62 45	50 55	34 05	2° 6910	1° 9424	3° 3188
14	s	-12	121	34 42	78 03	"	75 34	33 51	53 32	"	3° 8848	4° 7258
15	q	$+\frac{2}{3}$	233	42 57	69 21	61 03	62 45	39 36	43 14	1° 8081	1° 9424	2° 6537
16	t	$+\frac{2}{3}$	211	70 14	80 07	79 31	"	68 00	19 27	5° 4072	"	5° 7455
17	m	$-2\frac{2}{3}$	432	61 36	80 44	79 29	71 03	60 15	27 59	5° 3902	2° 9136	6° 1275

Cyanit.

Triklin.

$p_0 = 0.8062$	$\lambda = 86^\circ 36$	$a = 0.8991$	$\alpha = 90^\circ 23$	$x_0 = 0.1785$	$d = 0.1881$
$q_0 = 0.7132$	$\mu = 79^\circ 10$	$b = 1$	$\beta = 100^\circ 18$	$y_0 = 0.0593$	$\delta = 71^\circ 38$
$r_0 = 1$	$\nu = 73^\circ 38$	$c = 0.6968$	$\gamma = 106^\circ 01$	$h = 0.9821$	

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
1	p	0	001	71° 39	10° 50	10° 18	3° 27	10° 17	3° 24	0° 1817	0° 0603	0° 1915
2	t	00	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	m	$\infty 0$	100	73 38	"	90 00	"	73 38	16 21	3° 4013	"	"
4	n	3 ∞	310	64 29	"	"	"	64 29	25 31	2° 0954	"	"
5	e	2 ∞	210	52 58	"	"	"	52 58	37 02	1° 3254	"	"
6	i	∞	110	46 00	"	"	"	46 00	43 59	1° 0358	"	"
7	b	$\infty 2$	120	30 30	"	"	"	30 30	59 30	0° 5890	"	"
8	k	$\infty \infty$	110	116 31	"	"	90 00	63 28	26 31	2° 0035	"	"
9	s	$\infty 2$	120	140 55	"	"	"	39 05	50 55	0° 8121	"	"
10	q	01	011	13 00	38 54	10 18	38 11	8 08	37 44	0° 1817	0° 7865	0° 8072
11	v	01	011	164 44	34 36	"	33 39	8 36	33 13	"	0° 6658	0° 6902
12	f	02	021	172 33	54 32	"	54 18	6 03	53 52	"	1° 3920	1° 4038
13	h	$\frac{3}{2} 0$	203	105 43	19 05	18 25	5 21	18 21	5 05	0° 3331	0° 0938	0° 3461
14	l	$\frac{3}{2} 0$	304	105 27	22 59	22 14	6 27	22 07	5 58	0° 4090	0° 1130	0° 4243
15	x	10	101	105 44	32 11	31 12	0 41	30 50	8 18	0° 6058	0° 1707	0° 6294

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' $=\operatorname{tg} \varrho$
16	d	2	221	41° 39'	69° 16'	60° 21'	63° 09'	38° 26'	44° 20'	1'7570	1'9751	2'6434
17	o	11	111	47 29	39 26	31 12	29 03	27 54	25 24	0'6058	0'5554	0'8219
18	u	22	221	52 59	60 11	54 20	46 24	43 51	31 29	1'3935	1'0504	1'7450
19	r	1	111	145 58	47 16	31 12	41 53	34 16	37 29	0'6058	0'8969	1'0823
20	y	12	121	35 18	54 48	"	52 02	30 26	47 37	"	1'2816	1'4176
21	z	$\frac{1}{2}1$	122	17 32	35 08	11 58	33 51	9 59	33 17	0'2121	0'6710	0'7037
22	w	31	311	70 54	55 03	54 20	17 57	52 58	10 42	1'3935	0'3242	1'4307
23	g	$\frac{3}{2}1$	312	123 00	50 00	44 59	33 00	39 58	24 40	0'9996	0'6494	1'1920

Cyanochroit.

Monoklin.

$a = 0.7589$	$\lg a = 988018$	$\lg a_0 = 018191$	$\lg p_0 = 981809$	$a_0 = 1.5202$	$p_0 = 0.6578$
$c = 0.4992$	$\lg c = 969827$	$\lg b_0 = 030173$	$\lg q_0 = 968049$	$b_0 = 2.0031$	$q_0 = 0.4792$
$\mu = \left. \begin{array}{l} 180 - \beta \\ 73^\circ 43' \end{array} \right\}$	$\lg h = \left. \begin{array}{l} 998222 \\ \lg \sin \mu \end{array} \right\}$	$\lg e = \left. \begin{array}{l} 944776 \\ \lg \cos \mu \end{array} \right\}$	$\lg \frac{p_0}{q_0} = 013760$	$h = 0.9599$	$e = 0.2804$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' $=\operatorname{tg} \varrho$
1	c	0	001	90° 00'	16° 17'	16° 17'	0° 00'	16° 17'	0° 00'	0'2921	0	0'2921
2	b	000	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	000	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	53 55'	"	"	90 00	53 55'	36 04'	1'3728	∞	"
5	o	01	011	30 20	30 02'	16 17	26 31'	14 39	25 36	0'2921	0'4992	0'5784
6	η	-10	101	90 00	21 28	21 28	0 00	21 28	0 00	0'3931	0	0'3931
7	e	-20	201	"	47 10	47 10	"	47 10	"	1'0539	"	1'0539
8	n	-1	111	38 13'	32 26	21 28	26 31'	19 23	24 55	0'3931	0'4992	0'6354
9	μ	-12	121	21 30	47 01	"	44 57	15 33	42 54	"	0'9984	1'0730

Danalith.

Regulär. Tetraedrisch-hexaedrisch.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d $=\operatorname{tg} \varrho$
1	d	$\left. \begin{array}{l} 01 \\ \infty \end{array} \right\}$	$\left. \begin{array}{l} 011 \\ 110 \end{array} \right\}$	$\left. \begin{array}{l} 0^\circ 00' \\ 45^\circ 00' \end{array} \right\}$	$\left. \begin{array}{l} 45^\circ 00' \\ 90^\circ 00' \end{array} \right\}$	$\left. \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right\}$	$\left. \begin{array}{l} 45^\circ 00' \\ 90^\circ 00' \end{array} \right\}$	$\left. \begin{array}{l} 0^\circ 00' \\ 45^\circ 00' \end{array} \right\}$	$\left. \begin{array}{l} 45^\circ 00' \\ " \end{array} \right\}$	$\left. \begin{array}{l} 0 \\ 1'0000 \end{array} \right\}$	$\left. \begin{array}{l} 1'0000 \\ \infty \end{array} \right\}$	$\left. \begin{array}{l} 1'0000 \\ \infty \end{array} \right\}$
2	$p\pi$	± 1	111	"	54 44	45 00	45 00	35 16	35 16	"	1'0000	1'4142

Danburit.

Rhombisch.

a = 0.9183	lg a = 996298	lg a ₀ = 001766	lg p ₀ = 998234	a ₀ = 1.0415	p ₀ = 0.9602
c = 0.8817	lg c = 994532	lg b ₀ = 005468	lg q ₀ = 994532	b ₀ = 1.1342	q ₀ = 0.8817

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tg φ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	n	2∞	210	65° 20'	"	"	90° 00	65° 20'	24° 39'	2.1779'	∞	"
5	r	$\frac{2}{3}$ ∞	530	34° 14'	"	"	"	34° 14'	55° 45'	0.6806	"	"
6	A	$\frac{8}{5}$ ∞	850	60° 09'	"	"	"	60° 09'	29° 51'	1.7423'	"	"
7	£	$\frac{3}{2}$ ∞	320	58° 31'	"	"	"	58° 31'	31° 28'	1.6334'	"	"
8	B	$\frac{4}{3}$ ∞	1070	57° 16'	"	"	"	57° 16'	32° 44'	1.5556'	"	"
9	C	$\frac{7}{5}$ ∞	750	56° 44'	"	"	"	56° 44'	33° 15'	1.5246'	"	"
10	D	$\frac{2}{7}$ ∞	970	54° 28'	"	"	"	54° 28'	35° 32'	1.4001	"	"
11	E	$\frac{2}{3}$ ∞	540	53° 42'	"	"	"	53° 42'	36° 18'	1.3612	"	"
12	F	$\frac{8}{5}$ ∞	650	52° 34'	"	"	"	52° 34'	37° 25'	1.3067'	"	"
13	g	$\frac{7}{6}$ ∞	760	51° 47'	"	"	"	51° 47'	38° 12'	1.2705	"	"
14	G	$\frac{11}{10}$ ∞	1110	50° 08'	"	"	"	50° 08'	39° 51'	1.1978'	"	"
15	H	$\frac{13}{14}$ ∞	1514	49° 24'	"	"	"	49° 24'	40° 36'	1.1667'	"	"
16	I	∞	110	47° 26'	"	"	"	47° 26'	42° 33'	1.0887	"	"
17	K	$\frac{2}{3}$ ∞	1920	45° 58'	"	"	"	45° 58'	44° 01'	1.0345	"	"
18	v	$\frac{2}{9}$ ∞	910	44° 25'	"	"	"	44° 25'	45° 34'	0.9800'	"	"
19	m	$\frac{4}{3}$ ∞	340	39° 14'	"	"	"	39° 14'	50° 45'	0.8167'	"	"
20	μ	$\frac{5}{6}$ ∞	350	33° 09'	"	"	"	33° 09'	56° 50'	0.6534	"	"
21	J	∞2	120	28° 34'	"	"	"	28° 34'	61° 26'	0.5445	"	"
22	k	∞3	130	19° 57'	"	"	"	19° 57'	70° 03'	0.3630	"	"
23	z	$0\frac{1}{3}$	013	0° 00	16° 22'	0° 00	16° 22'	0° 00	16° 22'	0	0.2939	0.2939
24	ζ	$0\frac{2}{3}$	023	"	30° 27'	"	30° 27'	"	30° 27'	"	0.5878	0.5878
25	d	01	011	"	41° 24'	"	41° 24'	"	41° 24'	"	0.8817	0.8817
26	x	03	031	"	69° 17'	"	69° 17'	"	69° 17'	"	2.6451	2.6451
27	t	10	101	90° 00	43° 50'	43° 50'	0° 00	43° 50'	0° 00	0.9602	0	0.9602
28	w	20	201	"	62° 29'	62° 29'	"	62° 29'	"	1.9203	"	1.9203
29	f	30	301	"	70° 51'	70° 51'	"	70° 51'	"	2.8805	"	2.8805
30	g	$\frac{7}{2}$ 0	702	"	73° 25'	73° 25'	"	73° 25'	"	3.3605	"	3.3605
31	p	40	401	"	75° 24'	75° 24'	"	75° 24'	"	3.8406	"	3.8406
32	i	50	501	"	78° 14'	78° 14'	"	78° 14'	"	4.8008	"	4.8008
33	h	$\frac{11}{2}$ 0	1102	"	79° 16'	79° 16'	"	79° 16'	"	5.2808	"	5.2808

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
34	q	80	801	90° 00	82° 35	82° 35	0° 00	82° 35	0° 00	7° 68' 12	0	7° 68' 12
35	δ	21	211	65 20	64 40	62 29	41 24	55 13	22 09	1° 92' 30	0° 88' 17	2° 11' 30
36	r	1	111	47 26	52 30	43 50	"	35 45	32 27	0° 96' 01	"	1° 30' 35
37	o	$\frac{1}{2} 1$	122	28 34	45 06	25 38	"	19 48	38 29	0° 48' 01	"	1° 00' 39
38	l	$1 \frac{1}{2}$	212	65 20	30 34	43 50	23 47	41 18	17 38	0° 96' 01	0° 44' 08	1° 05' 55
39	e	12	121	28 34	63 31	"	60 26	25 20	51 49	"	1° 76' 34	2° 00' 78
40	s	13	131	19 57	70 26	"	69 17	18 45	62 20	"	2° 70' 67	2° 81' 40
41	v	$\frac{1}{2}$	112	47 26	33 05	25 38	23 47	23 43	21 40	0° 48' 01	0° 44' 08	0° 65' 18
42	u	$\frac{1}{4}$	114	"	18 03	13 30	12 26	13 11	12 06	0° 24' 00	0° 22' 04	0° 32' 59
43	σ	$2 \frac{5}{2}$	7° 10' 4	36 41	70 00	58 39	65 36	34 09	48 54	1° 64' 20	2° 20' 42	2° 74' 86

Darapskit.

Monoklin.

a = 1° 52' 58	lg a = 018349	lg a ₀ = 030762	lg p ₀ = 969238	a ₀ = 2° 03' 06	p ₀ = 0° 49' 25
c = 0° 75' 14	lg c = 987587	lg b ₀ = 012413	lg q ₀ = 986474	b ₀ = 1° 33' 09	q ₀ = 0° 73' 24
$\mu = \frac{1}{180 - \beta} 77° 05$	lg h = 998887	lg e = 934934	lg $\frac{p_0}{q_0} = 982764$	h = 0° 97' 47	e = 0° 22' 35

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00	12° 55	12° 55	0° 00	12° 55	0° 00	0° 22' 93	0	0° 22' 93
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	0 00	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	33 55	90 00	"	90 00	33 55	56 05	0° 67' 24	∞	"
5	q	01	011	16 58	38 09	12 55	36 55	10 23	36 13	0° 22' 93	0° 75' 14	0° 78' 56
6	e	$+\frac{1}{2} 0$	302	90 00	44 38	44 38	0 00	44 38	0 00	0° 98' 72	0	0° 98' 72
7	r	$+10$	101	"	36 18	36 18	"	36 18	"	0° 73' 46	"	0° 73' 46
8	n	-10	101	90 00	15 26	15 26	"	15 26	"	0° 27' 60	"	0° 27' 60
9	d	-20	201	"	38 00	38 00	"	38 00	"	0° 78' 13	"	0° 78' 13
10	o	$+1$	111	44 21	46 25	36 18	36 55	30 25	31 12	0° 73' 46	0° 75' 14	1° 05' 08
11	s	-1	111	20 10	38 40	15 25	"	12 26	35 55	0° 27' 60	"	0° 80' 05
12	v	$+12$	121	26 03	59 07	36 18	56 21	22 08	50 27	0° 73' 46	1° 50' 28	1° 67' 27

Datolith.

Monoklin.

$a = 0.6329$	$\lg a = 980134$	$\lg a_0 = 999891$	$\lg p_0 = 000109$	$a_0 = 0.9975$	$p_0 = 1.0025$
$c = 0.6345$	$\lg c = 980243$	$\lg b_0 = 019757$	$\lg q_0 = 980243$	$b_0 = 1.5760$	$q_0 = 0.6345$
$\mu = \frac{1}{180 - \beta} 89.51$	$\lg h = \frac{1}{\lg \sin \mu} 0$	$\lg e = \frac{1}{\lg \cos \mu} 741797$	$\lg \frac{p_0}{q_0} = 019866$	$h = 1.000$	$e = 0.0026$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x'}{(x:y)}$	y'	$d' = \lg \varrho$
1	a	0	001	90° 00'	0° 09'	0° 09'	0° 00'	0° 09'	0° 00'	0.0026	0	0.0026
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	c	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	Ω	4∞	410	81 00'	"	"	90 00	81 00'	8 59'	6.3200	∞	"
5	σ	2∞	210	72 26'	"	"	"	72 26'	17 33'	3.1600	"	"
6	t	$\frac{1}{2}$ ∞	320	67 07'	"	"	"	67 07'	22 52'	2.3700	"	"
7	g	∞	110	57 40'	"	"	"	57 40'	32 20'	1.5800	"	"
8	h	$\infty \frac{1}{2}$	340	49 50'	"	"	"	49 50'	40 09'	1.1850	"	"
9	m	∞2	120	38 18'	"	"	"	38 18'	51 41'	0.7900	"	"
10	S	∞4	140	21 33'	"	"	"	21 33'	68 27'	0.3950	"	"
11	η	$0 \frac{1}{2}$	014	0 56'	9 01	0 09	9 01	0 09	9 01	0.0026	0.1586	0.1586
12	Δ	$0 \frac{1}{2}$	012	0 28'	17 36	"	17 36	0 08'	17 36	"	0.3172	0.3173
13	e	$0 \frac{1}{2}$	023	0 21'	22 55'	"	22 55'	"	22 55'	"	0.4230	0.4230
14	M	01	011	0 14'	32 24	"	32 24	0 08	32 24	"	0.6345	0.6345
15	r	$0 \frac{1}{2}$	032	0 10'	43 35	"	43 35	0 06'	43 35	"	0.9517	0.9517
16	o	02	021	0 07'	51 45'	"	51 45'	0 05'	51 45'	"	1.2690	1.2690
17	l	03	031	0 04'	62 17'	"	62 17'	0 04'	62 17'	"	1.9035	1.9035
18	p	+30	301	90 00	71 37'	71 37'	0 00	71 37'	0 00	3.0100	0	3.0100
19	u	+20	201	"	63 31'	63 31'	"	63 31'	"	2.0076	"	2.0076
20	v	+30	302	"	56 25	56 25	"	56 25	"	1.5063	"	1.5063
21	x	+10	101	"	45 09	45 09	"	45 09	"	1.0051	"	1.0051
22	f	+30	203	"	33 51'	33 51'	"	33 51'	"	0.6709	"	0.6709
23	φ	+30	102	"	26 44'	26 44'	"	26 44'	"	0.5038	"	0.5038
24	s	+30	103	"	18 36'	18 36'	"	18 36'	"	0.3367	"	0.3367
25	ψ	+10	104	"	14 12'	14 12'	"	14 12'	"	0.2532	"	0.2532
26	τ	-10	107	90 00	8 00	8 00	"	8 00	"	0.1406	"	0.1406
27	z	-10	104	"	13 55'	13 55'	"	13 55'	"	0.2480	"	0.2480
28	Σ	-10	103	"	18 20'	18 20'	"	18 20'	"	0.3315	"	0.3315
29	Π	-10	102	"	26 30	26 30	"	26 30	"	0.4986	"	0.4986
30	g	-30	203	"	33 39	33 39	"	33 39	"	0.6657	"	0.6657
31	ξ	-10	101	"	45 00	45 00	"	45 00	"	0.9999	"	0.9999
32	α	-20	201	"	63 27'	63 27'	"	63 27'	"	2.0024	"	2.0024
33	ρ	+4	441	57 41'	78 06'	76 00'	68 30'	55 47'	31 32'	4.0125	2.5380	4.7478

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
34	r	+2	221	57° 42'	67° 10'	63° 31'	51° 45'	51° 10'	29° 30'	2'0076	1'2690	2'3750
35	A	+1	111	57 44	49 55	45 09	32 23	40 19	24 06	1'0051	0'6345	1'1886
36	C	+ $\frac{4}{3}$	445	57 45	43 34	38 49	26 55	35 39	21 34	0'8046	0'5078	0'9513
37	w	+ $\frac{2}{3}$	223	57 46	38 25	33 51	22 55	31 42	19 21	0'6709	0'4230	0'7931
38	ø	+ $\frac{1}{2}$	112	57 48	30 46	26 44	17 36	25 39	15 49	0'5038	0'3172	0'5954
39	q	+ $\frac{1}{3}$	113	57 52	21 41	18 37	11 56	18 14	11 20	0'3368	0'2115	0.3977
40	i	- $\frac{1}{2}$	112	57 32	30 35	26 30	17 36	25 25	15 51	0'4986	0'3172	0'5910
41	Y	- $\frac{2}{3}$	223	57 34	38 16	33 39	22 55	30 31	19 24	0'6657	0'4230	0'7887
42	e	-1	111	57 36	49 49	45 00	32 23	40 10	24 10	0'9999	0'6345	1'1842
43	a	-2	221	57 38	67 07	63 27	51 45	51 06	29 33	2'0024	1'2690	2'3707
44	Q	+12	121	38 23	58 17	45 09	"	31 53	41 50	1'0051	"	1.6188
45	T	-1 $\frac{1}{2}$	212	72 24	46 22	45 00	17 36	43 37	12 38	0'9999	0'3172	1'0490
46	r	-13	131	27 50	65 05	45 09	62 17	25 03	53 19	1'0051	1'9035	2'1526
47	Z	+31	311	78 06	71 59	71 37	32 23	68 31	11 18	3'0101	0'6345	3'0762
48	f	+ $\frac{5}{2}$	522	75 48	68 52	68 16	"	64 43	13 13	2'5088	"	2'5879
49	W	+21	211	72 27	64 35	63 31	"	59 28	15 48	2'0076	"	2'1054
50	L	+ $\frac{3}{2}$	322	67 07	58 32	56 25	"	51 49	19 20	1'5063	"	1'6345
51	n	+ $\frac{1}{2}$	122	38 27	39 01	26 44	"	23 02	29 32	0'5038	"	0'8102
52	ø	+ $\frac{1}{2}$	144	71 45	34 20	14 12	"	12 04	31 36	0'2532	"	0'6832
53	Q	- $\frac{1}{2}$	3'14'14	18 29	38 47	11 59	"	10 09	31 49	0'2122	"	0'6690
54	r	- $\frac{1}{2}$	122	38 10	38 54	26 30	"	22 50	29 35	0'4986	"	0'8070
55	b	- $\frac{3}{2}$	344	49 44	44 28	36 50	"	32 19	26 55	0'7493	"	0'9819
56	λ	- $\frac{3}{2}$	322	67 05	58 28	56 20	"	51 43	19 23	1'5011	"	1'6297
57	μ	-21	211	72 25	64 32	63 27	"	59 24	15 50	2'0024	"	2'1005
58	x	- $\frac{5}{2}$	522	75 46	68 50	68 13	"	64 41	13 14	2'5037	"	2'5828
59	ω	-31	311	78 04	71 58	71 35	"	68 29	11 20	3'0050	"	3'0711
60	f	+24	241	38 20	72 50	63 31	68 30	36 21	48 32	2'0076	2'5380	3'2360
61	X	-26	261	27 44	76 55	63 27	75 17	26 58	59 33	2'0024	3'8070	4'3015
62	h	+32	321	67 08	72 59	71 37	51 45	61 46	21 48	3'0050	1'2690	3'2666
63	U	+ $\frac{3}{2}$	342	49 53	63 05	56 25	"	42 59	35 04	1'5063	"	1'9696
64	β	+ $\frac{1}{2}$	142	21 39	53 47	26 44	"	17 19	48 34	0'5038	"	1'3654
65	R	+ $\frac{1}{2}$	184	11 17	52 18	14 12	"	8 54	50 53	0'2532	"	1'2940
66	B	- $\frac{1}{2}$	142	21 27	53 44	26 30	"	17 09	48 38	0'4986	"	1'3634
67	i	- $\frac{3}{2}$	342	49 47	63 02	56 20	"	42 54	35 07	1'5011	"	1'9656
68	C	- $\frac{5}{2}$	542	63 07	70 23	68 13	"	57 10	25 12	2'5037	"	2'8069
69	Ψ	+ $\frac{1}{2}$	214	72 31	27 50	26 44	9 01	26 27	8 04	0'5038	0'1586	0'5282
70	H	- $\frac{1}{2}$	162	14 41	63 03	26 30	62 17	13 03	59 35	0'4986	1'9035	1'9677
71	V	- $\frac{1}{4}$	182	11 07	68 52	"	68 30	10 21	66 14	"	2'5380	2'5865
72	v	+ $\frac{3}{2}$	324	67 12	39 18	37 02	17 36	35 43	14 12	0'7545	0'3172	0'8185
73	iv	+ $\frac{5}{2}$	524	75 49	52 19	51 28	"	50 07	11 11	1'2557	"	1'2951
74	A	+ $\frac{3}{2}$	312	78 06	56 59	56 25	"	55 08	9 57	1'5063	"	1'5393
75	D	+ $\frac{1}{2}$	124	38 35	22 05	14 12	"	13 34	17 05	0'2532	"	0'4059

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
76	B:	$+\frac{1}{8}\frac{1}{2}$	148	21° 57'	18° 53'	7° 17'	17° 36'	6° 57'	17° 28'	0.1279	0.3172	0.3421
77	D:	$+\frac{3}{2}\frac{3}{3}$	362	38 21'	67 36'	56 25'	62 17'	35 01'	46 28'	1.5063	1.9035	2.4273
78	J:	$-\frac{1}{2}\frac{3}{3}$	1.12.4	7 24'	62 29'	13 55'	"	6 35'	61 34'	0.2480	"	1.9196
79	O:	$-\frac{2}{2}\frac{3}{3}$	9.12.4	49 48'	71 16'	66 04'	"	46 20'	37 40'	2.2530	"	2.9495
80	F:	$-\frac{1}{2}\frac{2}{3}$	12.15.5	51 37'	71 56'	67 24'	"	48 11'	36 10'	2.4034	"	3.0650
81	E:	-43	431	64 35'	77 18'	75 59'	"	61 47'	24 44'	4.0074	"	4.4365
82	N:	$+\frac{1}{3}\frac{2}{3}$	123	38 31'	28 24'	18 36'	22 55'	17 13'	21 51'	0.3367	0.4230	0.5406
83	L:	$+\frac{2}{3}\frac{1}{3}$	213	72 30'	35 07'	33 51'	11 56'	33 17'	9 57'	0.6709	0.2115	0.7035
84	C:	$-\frac{1}{2}\frac{1}{3}$	1.4.12	20 56'	12 45'	4 37'	"	4 31'	11 54'	0.0809	"	0.2265
85	K:	-45	451	51 38'	78 56'	75 59'	72 30'	39 18'	37 31'	4.0074	3.1725	5.1111
86	π :	$-\frac{1}{2}\frac{2}{3}$	164	14 36'	44 31'	13 55'	43 35'	10 11'	42 43'	2.480	0.9517	0.9835
87	j:	$+\frac{1}{3}\frac{1}{3}$	243	38 25'	47 05'	33 51'	40 14'	27 07'	35 05'	0.6709	0.8460	1.0748
88	G:	-89	891	54 32'	84 11'	82 53'	80 04'	54 07'	35 15'	8.0173	5.7104	9.8430
89	χ :	$+\frac{2}{3}\frac{2}{3}$	235	46 40'	29 01'	21 58'	20 40'	21 10'	19 26'	0.4036	0.3807	0.5548
90	Ψ :	$+\frac{3}{2}\frac{2}{3}$	3.12.14	21 47'	30 21'	12 16'	28 32'	10 49'	27 59'	0.2174	0.5438	0.5857

Daviesit.

Rhomboisch.

$a = 0.7940$	$\lg a = 989982$	$\lg a_0 = 022057$	$\lg p_0 = 977943$	$a_0 = 1.6618$	$p_0 = 0.6018$
$c = 0.4778$	$\lg c = 967925$	$\lg b_0 = 032075$	$\lg q_0 = 967925$	$b_0 = 2.0929$	$q_0 = 0.4778$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	0 ∞	010	0° 00'	90 00'	"	90 00'	"	90 00'	"	∞	∞
3	m	∞	110	51 33'	"	90 00'	"	51 33'	38 27'	1.2595	"	"
4	f	01	011	0	25 32'	0	25 32'	0	25 32'	0	0.4778	0.4778
5	g	03	031	"	55 06'	"	55 06'	"	55 06'	"	1.4334	1.4334
6	h	05	051	"	67 17'	"	67 17'	"	67 17'	"	2.3890	2.3890
7	d	10	101	90 00'	31 02'	31 02'	0 00'	31 02'	0 00'	0.6018	0	0.6018
8	e	30	301	"	61 01'	61 01'	"	61 01'	"	1.8053	"	1.8053
9	v	2	221	51 33'	56 57'	50 17'	43 42'	41 02'	31 25'	1.2036	0.9556	1.5368
10	s	12	121	32 12'	48 28'	31 02'	"	23 31'	39 18'	0.6018	"	1.1203
11	t	21	211	68 21'	52 19'	50 17'	25 32'	47 21'	16 59'	1.2036	0.4778	1.2944
12	r	25	251	26 44'	69 30'	"	67 17'	24 55'	56 46'	"	2.3890	2.6751

Descloizit.**Rhomblisch.**

$a = 0.6367$	$\lg a = 980393$	$\lg a_0 = 989835$	$\lg p_0 = 010165$	$a_0 = 0.7913$	$p_0 = 1.2637$
$c = 0.8046$	$\lg c = 990558$	$\lg b_0 = 009442$	$\lg q_0 = 990558$	$b_0 = 1.2429$	$q_0 = 0.8046$

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	n	50	510	82° 44'	"	"	90° 00	82° 44'	7° 15'	7.8530	∞	"
5	m	∞	110	57° 31'	"	"	"	57° 31'	32° 29'	1.5706	"	"
6	l	∞3	130	27° 38'	"	"	"	27° 38'	62° 22'	0.5235	"	"
7	d	0 $\frac{1}{2}$	012	0° 00	21° 55'	0° 00	21° 55'	0° 00	21° 55'	0	0.4023	0.4023
8	u	01	011	"	38° 49'	"	38° 49'	"	38° 49'	"	0.8046	0.8046
9	v	02	021	"	58° 08'	"	58° 08'	"	58° 08'	"	1.6092	1.6092
10	e	$\frac{1}{2}0$	102	90° 00	32° 17'	32° 17'	0° 00	32° 17'	0° 00	0.6318	0	0.6318
11	f	20	201	"	21° 37'	21° 37'	"	21° 37'	"	2.5274	"	2.5274
12	o	1	111	57° 31'	56° 16'	51° 38'	38° 49'	44° 33'	26° 32'	1.2637	0.8046	1.4981
13	t	$\frac{1}{10}$	1 $\frac{1}{10}$	"	8° 31'	7° 12'	4° 36'	7° 11'	4° 34'	0.1264	0.0804	0.1498
14	s	$\frac{2}{1}$	211	72° 20'	69° 20'	68° 25'	38° 49'	63° 05'	16° 29'	2.5274	0.8046	2.6524
15	h	$\frac{1}{2}\frac{2}{2}$	132	27° 38'	53° 43'	32° 17'	50° 21'	21° 57'	45° 34'	0.6318	1.2069	1.3623
16	w	$\frac{1}{4}\frac{3}{4}$	134	"	34° 15'	17° 32'	31° 06'	15° 08'	29° 55'	0.3159	0.6034	0.6812
17	q	$\frac{2}{2}4$	782	53° 57'	79° 38'	77° 15'	72° 44'	52° 41'	35° 22'	4.4230	3.2184	5.4700
18	i	64	641	67° 00'	83° 05'	82° 29'	"	66° 02'	22° 49'	7.5823	"	8.2370
19	k	86	861	64° 28'	84° 54'	84° 21'	78° 18'	64° 00'	25° 25'	10.110	4.8275	1.1203

Desmin.**Rhomblisch.**

$a = 0.928$	$\lg a = 996755$	$\lg a_0 = 008903$	$\lg p_0 = 991097$	$a_0 = 1.2275$	$p_0 = 0.8146$
$c = 0.756$	$\lg c = 987852$	$\lg b_0 = 012148$	$\lg q_0 = 987852$	$b_0 = 1.3228$	$q_0 = 0.756$

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
4	m	∞	110	47° 08'	90° 00'	90° 00'	90° 00'	47° 08'	42° 51'	1'0776	∞	∞
5	d	$0\frac{3}{2}$	032	0 00	48 35'	0 00	48 35'	0 00	48 35'	0	1'1340	1'1340
6	e	10	101	90 00	39 10	39 10	0 00	39 10	0 00	0'8146	0	0'8146
7	r	1	111	47 08'	48 01'	"	37 05'	33 01'	30 22'	"	0'7560	1'1114
8	s	$1\frac{5}{3}$	252	23 19	64 05'	"	62 07'	20 51'	55 41'	"	1'8900	2'0580
9	t	13	131	19 45'	67 27'	"	66 12'	18 11'	60 22'	"	2'2680	2'4098

Diadelphit.

Hexagonal. Rhomboedrisch-hemiedrisch.

c = 0'8885	lg c = 994866	lg a ₀ = 028990	lg p ₀ = 977257	a ₀ = 1'9494	p ₀ = 0'5923	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	q	$+\frac{3}{2}$	3304	30° 00'	37 34'	21 02'	33 40'	17 45'	31 52'	0'3847	0'6663	0'7694
3	r	$+\frac{1}{2}$	1121	"	45 44'	27 09'	41 37'	20 59'	38 19'	0'5129	0'8884	1'0257
4	s	$+\frac{2}{3}$	2241	"	64 01'	45 44'	60 38'	26 42'	51 07'	1'0259	1'7769	2'0519
5	t	$+\frac{7}{3}$	7'7'14'3	"	67 19'	50 07'	64 15'	27 28'	53 02'	1'1969	2'0730	2'3938

Diamant.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} — \\ 0° 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	a	$\left\{ \begin{array}{l} 0\frac{1}{3} \\ 03 \\ \infty 3 \end{array} \right.$	$\left\{ \begin{array}{l} 013 \\ 031 \\ 130 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 18 26 \end{array} \right.$	$\left\{ \begin{array}{l} 18 26' \\ 71 34' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 18 26' \\ 71 34' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 18 26' \end{array} \right.$	$\left\{ \begin{array}{l} 18 26' \\ 71 34' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 0'3333 \end{array} \right.$	$\left\{ \begin{array}{l} 0'3333 \\ 3'0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0'3333 \\ 3'0000 \\ \infty \end{array} \right.$
3	e	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{array} \right.$	$\left\{ \begin{array}{l} 012 \\ 021 \\ 120 \end{array} \right.$	$\left\{ \begin{array}{l} 0 00' \\ " \\ 26 34' \end{array} \right.$	$\left\{ \begin{array}{l} 26 34' \\ 63 26' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 00' \\ " \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 26 34' \\ 63 26' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 00' \\ " \\ 26 34' \end{array} \right.$	$\left\{ \begin{array}{l} 26 34' \\ 63 26' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \\ 0'5000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 2'0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 2'0000 \\ \infty \end{array} \right.$
4	b	$\left\{ \begin{array}{l} 0\frac{2}{3} \\ 0\frac{2}{3} \\ \infty\frac{2}{3} \end{array} \right.$	$\left\{ \begin{array}{l} 023 \\ 032 \\ 230 \end{array} \right.$	$\left\{ \begin{array}{l} 0 00' \\ " \\ 33 41' \end{array} \right.$	$\left\{ \begin{array}{l} 33 41' \\ 56 18' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 00' \\ " \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 33 41' \\ 56 18' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 00' \\ " \\ 33 41' \end{array} \right.$	$\left\{ \begin{array}{l} 33 41' \\ 56 18' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \\ 0'6667 \end{array} \right.$	$\left\{ \begin{array}{l} 0'6667 \\ 1'5000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0'6667 \\ 1'5000 \\ \infty \end{array} \right.$
5	i	$\left\{ \begin{array}{l} 0\frac{3}{4} \\ 0\frac{3}{4} \\ \infty\frac{3}{4} \end{array} \right.$	$\left\{ \begin{array}{l} 034 \\ 043 \\ 340 \end{array} \right.$	$\left\{ \begin{array}{l} 0 00' \\ " \\ 36 52' \end{array} \right.$	$\left\{ \begin{array}{l} 36 52' \\ 53 08' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 00' \\ " \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 36 52' \\ 53 08' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 00' \\ " \\ 36 52' \end{array} \right.$	$\left\{ \begin{array}{l} 36 52' \\ 53 08' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \\ 0'7500 \end{array} \right.$	$\left\{ \begin{array}{l} 0'7500 \\ 1'3333 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0'7500 \\ 1'3333 \\ \infty \end{array} \right.$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tg ϱ
6	A	$\begin{cases} 0\frac{1}{2}\frac{1}{2} \\ 0\frac{1}{2}\frac{1}{2} \\ \infty\frac{1}{2}\frac{1}{2} \end{cases}$	$\begin{cases} 0'10'11 \\ 0'11'10 \\ 10'11'0 \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \\ 42^\circ 16' \end{cases}$	$\begin{cases} 42^\circ 16' \\ 47^\circ 43' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \\ 90^\circ 00' \end{cases}$	$\begin{cases} 42^\circ 16' \\ 47^\circ 43' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \\ 42^\circ 16' \end{cases}$	$\begin{cases} 42^\circ 16' \\ 47^\circ 43' \\ " \end{cases}$	$\begin{cases} 0 \\ " \\ 0'9091 \end{cases}$	$\begin{cases} 0'9091 \\ 1'1000 \\ \infty \end{cases}$	$\begin{cases} 0'9091 \\ 1'1000 \\ \infty \end{cases}$
		$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} 0^\circ 00' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 45^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 45^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 45^\circ 00' \\ " \end{cases}$	$\begin{cases} 0 \\ 1'0000 \end{cases}$	$\begin{cases} 1'0000 \\ \infty \end{cases}$	$\begin{cases} 1'0000 \\ \infty \end{cases}$
		$\begin{cases} \frac{1}{2} \\ 15 \end{cases}$	$\begin{cases} 115 \\ 151 \end{cases}$	$\begin{cases} " \\ 11^\circ 18' \end{cases}$	$\begin{cases} 15^\circ 47' \\ 78^\circ 54' \end{cases}$	$\begin{cases} 11^\circ 18' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 11^\circ 18' \\ 78^\circ 41' \end{cases}$	$\begin{cases} 11^\circ 06' \\ " \end{cases}$	$\begin{cases} 11^\circ 06' \\ 74^\circ 12' \end{cases}$	$\begin{cases} 0'2000 \\ 1'0000 \end{cases}$	$\begin{cases} 0'2000 \\ 5'0000 \end{cases}$	$\begin{cases} 0'2828 \\ 5'0989 \end{cases}$
9	q	$\begin{cases} \frac{1}{2} \\ 12 \end{cases}$	$\begin{cases} 112 \\ 121 \end{cases}$	$\begin{cases} 45^\circ 00' \\ 26^\circ 34' \end{cases}$	$\begin{cases} 35^\circ 16' \\ 65^\circ 54' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 24^\circ 05' \\ " \end{cases}$	$\begin{cases} 24^\circ 05' \\ 54^\circ 44' \end{cases}$	$\begin{cases} 0'5000 \\ 1'0000 \end{cases}$	$\begin{cases} 0'5000 \\ 2'0000 \end{cases}$	$\begin{cases} 0'7071 \\ 2'2360 \end{cases}$
10	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
11	u	$\begin{cases} \frac{1}{2}1 \\ 2 \end{cases}$	$\begin{cases} 122 \\ 221 \end{cases}$	$\begin{cases} 26^\circ 34' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 48^\circ 11' \\ 70^\circ 31' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} " \\ 63^\circ 26' \end{cases}$	$\begin{cases} 19^\circ 28' \\ 41^\circ 48' \end{cases}$	$\begin{cases} 41^\circ 48' \\ " \end{cases}$	$\begin{cases} 0'5000 \\ 2'0000 \end{cases}$	$\begin{cases} " \\ 2'0000 \end{cases}$	$\begin{cases} 1'1180 \\ 2'8284 \end{cases}$
12	x	$\begin{cases} \frac{1}{3}\frac{2}{3} \\ \frac{1}{2}\frac{2}{2} \\ 23 \end{cases}$	$\begin{cases} 123 \\ 132 \\ 231 \end{cases}$	$\begin{cases} 26^\circ 34' \\ 18^\circ 26' \\ 33^\circ 41' \end{cases}$	$\begin{cases} 36^\circ 42' \\ 57^\circ 41' \\ 74^\circ 30' \end{cases}$	$\begin{cases} 18^\circ 26' \\ 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 33^\circ 41' \\ 56^\circ 18' \\ 71^\circ 34' \end{cases}$	$\begin{cases} 15^\circ 30' \\ " \\ 32^\circ 18' \end{cases}$	$\begin{cases} 32^\circ 18' \\ 53^\circ 18' \\ " \end{cases}$	$\begin{cases} 0'3333 \\ 0'5000 \\ 2'0000 \end{cases}$	$\begin{cases} 0'6667 \\ 1'5000 \\ 3'0000 \end{cases}$	$\begin{cases} 0'7453 \\ 1'5811 \\ 3'6055 \end{cases}$
		$\begin{cases} \frac{1}{4}\frac{3}{4} \\ \frac{1}{3}\frac{3}{3} \\ 34 \end{cases}$	$\begin{cases} 134 \\ 143 \\ 341 \end{cases}$	$\begin{cases} 18^\circ 26' \\ 14^\circ 02' \\ 36^\circ 52' \end{cases}$	$\begin{cases} 38^\circ 19' \\ 53^\circ 57' \\ 78^\circ 41' \end{cases}$	$\begin{cases} 14^\circ 02' \\ 18^\circ 26' \\ 71^\circ 34' \end{cases}$	$\begin{cases} 36^\circ 52' \\ 53^\circ 08' \\ 75^\circ 58' \end{cases}$	$\begin{cases} 11^\circ 18' \\ " \\ 36^\circ 02' \end{cases}$	$\begin{cases} 36^\circ 02' \\ 51^\circ 40' \\ " \end{cases}$	$\begin{cases} 0'2500 \\ 0'3333 \\ 3'0000 \end{cases}$	$\begin{cases} 0'7500 \\ 1'3333 \\ 4'0000 \end{cases}$	$\begin{cases} 0'7906 \\ 1'3743 \\ 5'0000 \end{cases}$
		$\begin{cases} \frac{1}{5}\frac{4}{5} \\ \frac{1}{4}\frac{4}{4} \\ 45 \end{cases}$	$\begin{cases} 145 \\ 154 \\ 451 \end{cases}$	$\begin{cases} 14^\circ 02' \\ 11^\circ 18' \\ 38^\circ 39' \end{cases}$	$\begin{cases} 39^\circ 30' \\ 51^\circ 53' \\ 81^\circ 07' \end{cases}$	$\begin{cases} 11^\circ 18' \\ 14^\circ 02' \\ 75^\circ 58' \end{cases}$	$\begin{cases} 38^\circ 39' \\ 51^\circ 20' \\ 78^\circ 41' \end{cases}$	$\begin{cases} 8^\circ 52' \\ " \\ 38^\circ 07' \end{cases}$	$\begin{cases} 38^\circ 06' \\ 50^\circ 29' \\ " \end{cases}$	$\begin{cases} 0'2000 \\ 0'2500 \\ 4'0000 \end{cases}$	$\begin{cases} 0'8000 \\ 1'2500 \\ 5'0000 \end{cases}$	$\begin{cases} 0'8246 \\ 1'2747 \\ 6'4031 \end{cases}$
15	Φ	$\begin{cases} \frac{1}{6}\frac{5}{6} \\ \frac{1}{5}\frac{5}{5} \\ 56 \end{cases}$	$\begin{cases} 156 \\ 165 \\ 561 \end{cases}$	$\begin{cases} 11^\circ 18' \\ 9^\circ 27' \\ 39^\circ 48' \end{cases}$	$\begin{cases} 40^\circ 21' \\ 50^\circ 35' \\ 82^\circ 42' \end{cases}$	$\begin{cases} 9^\circ 27' \\ 11^\circ 18' \\ 78^\circ 41' \end{cases}$	$\begin{cases} 39^\circ 48' \\ 50^\circ 11' \\ 80^\circ 32' \end{cases}$	$\begin{cases} 7^\circ 18' \\ " \\ 39^\circ 25' \end{cases}$	$\begin{cases} 39^\circ 25' \\ 49^\circ 38' \\ " \end{cases}$	$\begin{cases} 0'1667 \\ 0'2000 \\ 5'0000 \end{cases}$	$\begin{cases} 0'8333 \\ 1'2000 \\ 6'0000 \end{cases}$	$\begin{cases} 0'8498 \\ 1'2165 \\ 7'8102 \end{cases}$

Diaphorit.

Rhomboisch.

a = 0'4919	lg a = 969188	lg a ₀ = 982589	lg p ₀ = 017411	a ₀ = 0'6697	p ₀ = 1'4932
c = 0'7345	lg c = 986599	lg b ₀ = 013401	lg q ₀ = 986599	b ₀ = 1'3615	q ₀ = 0'7345

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tg ϱ
1	a	0 ∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
2	b	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
3	t	3 ∞	310	80 41'	"	"	90 00	80 41'	9 18'	6'0987	∞	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
4	m	∞	110	63° 48'	90° 00'	90° 00'	90° 00'	63° 48'	26° 11'	2'0329	∞	∞
5	n	$\infty 2$	120	45 28	"	"	"	45 28	44 32	1'0164	"	"
6	k	$\infty \frac{1}{5}$	5'12'0	40 16	"	"	"	40 16	49 44	0'8470	"	"
7	π	$\infty 3$	130	34 07'	"	"	"	34 07'	55 52'	0'6776	"	"
8	ϱ	$\infty 5$	150	22 07'	"	"	"	22 07'	67 52'	0'4066	"	"
9	a	$\infty 11$	1'11'0	10 28	"	"	"	10 28	79 32	0'1848	"	"
10	u	$0 \frac{1}{2}$	012	0 00	20 10	0 00	20 10	0 00	20 10	0	0'3672	0'3672
11	r	01	011	"	36 18	"	36 18	"	36 18	"	0'7345	0'7345
12	v	$0 \frac{3}{2}$	032	"	47 46'	"	47 46'	"	47 46'	"	1'1017	1'1017
13	q	$0 \frac{5}{3}$	053	"	50 45'	"	50 45'	"	50 45'	"	1'2242	1'2242
14	w	02	021	"	55 45'	"	55 45'	"	55 45'	"	1'4690	1'4690
15	ψ	$\frac{1}{2} 0$	102	90 00	36 44'	90 00	36 44'	90 00	36 44'	0'7465	0	0'7465
16	x	10	101	"	56 11'	"	56 11'	"	56 11'	1'4931	"	1'4931
17	y	$\frac{1}{2}$	112	63 48'	39 36	36 44'	20 10	35 01'	16 24	0'7466	0'3672	0'8320
18	i	$\frac{1}{4}$	114	"	22 35'	20 28	10 24'	20 09'	9 45'	0'3733	0'1836	0'4160
19	d	$\frac{1}{4} 1$	144	26 56'	39 29	"	36 18	16 45	34 32	"	0'7345	0'8239
20	ζ	$\frac{1}{2} 1$	122	45 28	46 19'	36 44'	"	31 02	30 29	0'7466	"	1'0473
21	ω	$\frac{3}{4} \frac{1}{4}$	314	80 41'	48 37	48 14	10 24'	47 46	6 58'	1'1199	0'1836	1'1348
22	o	$\frac{1}{4} \frac{3}{4}$	134	34 07'	33 38'	20 28	28 51	18 06'	27 18	0'3733	0'5509	0'6654
23	e	$\frac{5}{4} \frac{3}{4}$	534	73 33'	62 48	61 49	"	58 33	14 35	1'8665	"	1'9400

Diaspor.

Rhombisch.

a = 0'9372	lg a = 997183	lg a ₀ = 019086	lg p ₀ = 980914	a ₀ = 1'5519	p ₀ = 0'6444
c = 0'6039	lg c = 978097	lg b ₀ = 021903	lg q ₀ = 978097	b ₀ = 1'6559	q ₀ = 0'6039

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	b	0 ∞	010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	a	$\infty 0$	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
4	M	2 ∞	210	64 53'	"	"	90° 00'	64 53'	25 06'	2'1340	∞	"
5	y	$\infty 110$	110	46 51'	"	"	"	46 51'	43 08'	1'0670	"	"
6	K	$\infty \frac{3}{2}$	230	35 25'	"	"	"	35 25'	54 34'	0'7113	"	"
7	l	$\infty 2$	120	28 05'	"	"	"	28 05'	61 55	0'5335	"	"
8	z	$\infty 3$	130	19 35'	"	"	"	19 35'	70 25	0'3557	"	"
9	n	$\infty 5$	150	12 03'	"	"	"	12 03'	77 57	0'2134	"	"
10	f	$0 \frac{1}{2}$	012	0 00	16 48	0 00	16 48	0 00	16 48	0	0'3019	0'3019
11	e	01	011	"	31 07'	"	31 07'	"	31 07'	"	0'6039	0'6039
12	m	$0 \frac{3}{8}$	098	"	34 11'	"	34 11'	"	34 11'	"	0'6794	0'6794

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
13	w	10	101	90°00	32°48	32°48	0°00	32°48	0°00	0'6444	0	0'6444
14	p	1	111	46 51'	41 27	"	31 07'	28 53	26 55	"	0'6039	0'8831
15	s	1 $\frac{1}{2}$	212	64 53'	35 26	"	16 48	31 40	14 14'	"	0'3019	0'7116
16	q	1 $\frac{3}{2}$	232	35 25'	48 01'	"	42 10'	25 31'	37 17	"	0'9058	1.1117
17	x	1 $\frac{1}{3}$	133	19 35	32 39'	12 07'	31 07'	10 25	30 33'	0'2099	0'6039	0'6410
18	v	1 $\frac{1}{2}$	122	28 05	34 23	17 51'	"	15 25	29 53'	0'3222	"	0'6845
19	u	1 $\frac{1}{2}$	344	38 40	37 43	25 47'	"	22 28'	28 32	0'4833	"	0'7735
20	t	21	211	64 53'	54 54'	52 11'	"	47 48'	20 19	1'2887	"	1'4232
21	r	1 $\frac{1}{2}$	10'1'4	84 38'	58 17	58 10	8 35	57 53	4 33	1'6109	0'1509	1'6180

Dickinsonit.

Monoklin.

a = 1'7320	lg a = 023855	lg a ₀ = 016005	lg p ₀ = 983995	a ₀ = 1'4455	p ₀ = 0'6917
c = 1'1981	lg c = 007850	lg b ₀ = 992150	lg q ₀ = 002240	b ₀ = 0'8346	q ₀ = 1'0529
$\mu = \frac{1}{180 - \beta} \left. \begin{matrix} 61'30 \\ 180 - \beta \end{matrix} \right\}$	$\lg h = \left. \begin{matrix} 994390 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 967866 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg p_0 = 981755$	h = 0'8788	e = 0'4772

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90°00	28°30	28°30	0°00	28°30	0°00	0'5429	0	0'5429
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	n	05	051	5 10'	80 33'	28 30	80 31'	5 06'	79 14'	0'5429	5'9906	6'0151
5	x	30	301	90 00	71 00	71 00	0 00	71 00	0 00	2'9042	0	2'9042
6	y	—1 $\frac{1}{3}$ 0	103	"	15 40'	15 40'	"	15 40'	"	0'2806	"	0'2806
7	p	—1	111	11 31	50 43'	13 43	50 09	8 53'	49 20	0'2440	1'1981	1'2227
8	s	—2	221	23 17	69 01'	45 52'	67 21	21 39'	59 03'	1'0311	2'3962	2'6087

Dietzeit.

Monoklin.

a = 1'3826	lg a = 014069	lg a ₀ = 016228	lg p ₀ = 983772	a ₀ = 1'4530	p ₀ = 0'6882
c = 0'9515	lg c = 997841	lg b ₀ = 002159	lg q ₀ = 996007	b ₀ = 1'0510	q ₀ = 0'9122
$\mu = \frac{1}{180 - \beta} \left. \begin{matrix} 73'28 \\ 180 - \beta \end{matrix} \right\}$	$\lg h = \left. \begin{matrix} 998166 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 945419 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg p_0 = 987765$	h = 0'9587	e = 0'2846

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90°00	16°32	16°32	0°00	16°32	0°00	0'2969	0	0'2969
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' $=\lg \varrho$
4	m	∞	110	37° 02'	90° 00'	90° 00'	90° 00'	37° 02'	52° 58'	0'7545	∞	∞
5	l	2∞	210	56 28	"	"	"	56 28	33 32	1'5091	"	"
6	r	-10	101	90 00	22 50	22 50	0 00	22 50	0 00	0'4210	0	0'4210
7	s	$-\frac{2}{3}$	223	15 59	33 25	10 18	32 23'	8 43'	31 58	0'1817	0'6343	0'6598
8	o	-2	221	30 54	65 44	48 43	62 17	27 55	51 28	1'1398	1'9030	2'2178

Dioptas.

Hexagonal. Rhomboedrisch-tetartoeidrisch.

$c = 1'0622$	$\lg c = 002620$	$\lg a_0 = 021236$	$\lg p_0 = 985011$	$a_0 = 1'6307$	$p_0 = 0'7081$	(G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d $=\lg \varrho$
1	a	$\infty 0$	1010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
2	θ	4∞	4150	10 53'	"	90 00	"	10 53'	79 06'	0'1924	"	"
3	ζ	$\frac{5}{2}\infty$	5270	16 06	"	"	"	16 06	73 54	0'2887	"	"
4	r	$\frac{3}{2}\infty$	3250	23 25	"	"	"	23 25	66 35	0'4330	"	"
5	δ	$-\frac{1}{2}$	1122	30 00	31 31	17 03	27 58'	15 09	26 55	0'3066	0'5311	0'6132
6	p: κ	± 1	1121	"	50 48'	31 31	46 43'	22 48	42 09'	0'6132	1'0622	1'2265
7	μ	$+1\frac{1}{20}$	20'17'37'20	27 19	48 38	27 32	45 15'	20 09	41 49'	0'5212	1'0091	1'1357
8	λ	$+1\frac{1}{16}1$	19'16'35'16	27 10	53 20	31 31	50 04'	21 29	45 31'	0'6133	1'1950	1'3431
9	A:	$+1\frac{3}{5}1$	13'10'23'10	25 41'	54 44'	"	51 53	20 44	47 22'	"	1'2746	1'4145
10	C:	$+\frac{3}{2}1$	3252	23 25	57 03'	"	54 46'	19 29	50 22'	"	1'4163	1'5434
11	g:	-21	2131	19 06'	61 54'	"	60 32'	16 47	56 28	"	1'7703	1'8735
12	H: Γ	$\pm\frac{5}{2}1$	5272	16 06	65 40	"	64 47'	14 38	61 05'	"	2'1244	2'2111
13	G:	$+\frac{1}{2}1$	11'2'13'2	8 13	76 53	"	76 45'	8 00	74 34	"	4'2487	4'2926
14	Z:	$+\frac{2}{3}1$	23'2'25'2	4 07'	83 18'	"	83 17'	4 06	82 08	"	8'4974	8'5196
15	e:	$-2\frac{1}{2}$	4152	10 53'	58 21	17 03	57 53'	9 15'	56 43	0'3066	1'5932	1'6225
16	Δ	$+\frac{2}{3}\frac{1}{6}$	4156	"	28 24'	5 50	27 58'	5 09'	27 51	0'1022	0'5312	0'5408

Dolerophanit.**Monoklin.**

a = 1'3042	lg a = 011533	lg a ₀ = 003255	lg p ₀ = 996745	a ₀ = 1'0778	p ₀ = 0'9278
c = 1'2100	lg c = 008278	lg b ₀ = 991722	lg q ₀ = 006043	b ₀ = 0'8265	q ₀ = 1'1493
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 71^{\circ}46'$	$\lg h = \left. \begin{matrix} \\ \lg \sin \mu \end{matrix} \right\} 997765$	$\lg e = \left. \begin{matrix} \\ \lg \cos \mu \end{matrix} \right\} 949519$	$\lg \frac{p_0}{q_0} = 990702$	h = 0'9498	e = 0'3127

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' = tg ϱ
1	d	o	001	90°00	18°13'	18°13'	0°00	18°13'	0°00	0'3292	o	0'3292
2	C	∞	010	0°00	90°00	0°00	90°00	0°00	90°00	o	∞	∞
3	g	∞	100	90°00	"	90°00	0°00	90°00	0°00	∞	o	"
4	t	∞	110	38°55'	"	"	90°00	38°55'	51°05'	0'8073'	∞	"
5	s	01	011	15°13'	51°26'	18°13'	50°26'	11°51'	48°48'	0'3292	1'2100	1'2540
6	B	$+\frac{1}{3}o$	103	90°00	33°13'	33°13'	0°00	33°13'	0°00	0'6547'	o	0'6547'
7	e	$+\frac{1}{10}$	101	"	52°33'	52°33'	"	52°33'	"	1'3060	"	1'3060
8	f	$+\frac{1}{30}$	301	"	72°56'	72°56'	"	72°56'	"	3'2595'	"	3'2595'
9	A	$-\frac{1}{10}$	101	90°00	32°55'	32°55'	"	32°55'	"	0'6476	"	0'6476
10	h	$-\frac{1}{3}o$	110'3	"	72°54'	72°54'	"	72°54'	"	3'2523'	"	3'2523'
11	q	$+\frac{1}{2}$	112	53°30'	45°29'	39°16'	31°10'	34°58'	25°06'	0'8176	0'6050	1'0171
12	p	$-\frac{1}{4}$	114	15°42'	17°26'	4°51'	16°50'	4°39'	16°46'	0'0850	0'3025	0'3142
13	r	$-\frac{1}{2}$	112	14°44'	32°02'	9°02'	31°10'	7°45'	30°51'	0'1592	0'6050	0'6256
14	n	$-\frac{1}{3}o$	233	14°54'	51°23'	17°51'	50°25'	11°35'	49°02'	0'3219	1'2100	1'2521
15	?r	$-\frac{1}{3}o$	11'8'3	45°13'	77°39'	72°54'	72°47'	43°55'	43°28'	3'2524	3'2266	4'5813
16	?m	$-\frac{2}{3}o$	769	28°05'	42°26'	23°17'	38°53'	18°31'	36°32'	0'4305	0'8066	0'9143

Dolomit.**Hexagonal. Rhomboedrisch-tetartoeidrisch.**

c = 0'8322	lg c = 992023	lg a ₀ = 031833	lg p ₀ = 974414	a ₀ = 2'0812	p ₀ = 0'5548 (G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	o	o	0001	—	0°00	0°00	0°00	0°00	0°00	o	o	o
2	a	∞	1010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	b	∞	1120	30°00	"	90°00	"	30°00	60°00	0'5773	"	"
4	θ	4∞	4150	10°53'	"	"	"	10°53'	79°06'	0'1924	"	"
5	h	$\frac{1}{2}o$	4043	0°00	36°29'	0°00	36°29'	0°00	36°29'	o	0'7397	0'7397
6	a	4o	4041	"	65°44'	"	65°44'	"	65°44'	"	2'2192	2'2192

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
7	γ	80	8081	0°00	77°18	0°00	77°18	0°00	77°18	0	4'4384	4'4384
8	δ	90	9091	"	78°40	"	78°40	"	78°40	"	4'9932	4'9932
9	?r	$-\frac{1}{10}$	1'1'2'10	30 00	5 29	2 37	4 45	2 44	4 45	0'0480	0'0832	0'0901
10	e	$+\frac{2}{3}$	2245	"	21 01	10 53	18 24	10 20	18 06	0'1922	0'3329	0'3844
11	δ	$-\frac{1}{2}$	1122	"	25 40	13 30	22 35	12 30	22 01	0'2402	0'4161	0'4805
12	g	$+\frac{4}{7}$	4487	"	28 46	15 21	25 26	13 55	24 38	0'2745	0'4755	0'5401
13	η	$-\frac{4}{3}$	4485	"	37 33	21 01	33 39	17 44	31 51	0'3844	0'6658	0'7688
14	p	$+\frac{1}{2}$	1121	"	43 51	25 40	39 46	20 16	36 52	0'4805	0'8322	0'9610
15	?e	$-\frac{2}{3}$	3362	"	55 15	35 47	51 18	24 15	45 22	0'7207	1'2483	1'4414
16	φ	-2	2241	"	62 30	43 51	59 00	26 20	50 12	0'9609	1'6644	1'9219
17	?l	+3	3361	"	70 52	55 15	68 10	28 11	54 54	1'4414	2'4966	2'8829
18	m	+4	4481	"	75 25	62 30	73 17	28 56	56 56	1'9219	3'3288	3'8438
19	II	-8	8'8'16'1	"	82 35	75 25	81 27	29 43	59 11	3'8438	6'6577	7'6876
20	t	+16'16	16'16'32'1	"	86 16	82 35	85 42	29 56	59 47	7'6876	13'315	15'375
21	F	+21	2131	19 06	55 44	25 40	54 12	15 41	51 20	0'4805	1'3870	1'4079
22	K	+41	4151	10 53	68 32	"	68 10	10 08	66 02	"	2'4966	2'5424
23	N	$+\frac{1}{2}$	11'2'13'2	8 13	73 26	"	73 17	7 52	71 34	"	3'3288	3'3632
24	P	+71	7181	6 35	76 34	"	76 29	6 24	75 44	"	4'1610	4'1886
25	a	$+\frac{8}{3}$	8'2'10'5	10 53	45 29	10 53	44 57	7 44	44 26	0'1922	0'9986	1'0170
26	q	$-\frac{8}{2}$	8'2'10'1	"	78 52	43 51	78 40	10 41	74 28	0'9610	4'9932	5'0840
27	MI	$+\frac{1}{2}$	11'8'19'2	24 47	77 41	62 30	76 29	24 11	62 29	1'9219	4'1610	4'5834
28	3	+74	7'4'11'1	21 03	79 25	"	78 40	20 40	66 33	"	4'9932	5'3502
29	R	+16'4	16'4'20'1	10 53	84 23	"	84 17	10 50	77 45	"	9'9864	10'170
30	I	-20'8	20'8'28'1	16 06	85 52	75 25	85 42	16 03	73 23	3'8438	13'315	13'850
31	I	-32'8	32'8'40'1	10 53	87 11	"	87 08	10 53	78 45	"	19'973	20'340
32	?z	-20'4	20'4'24'1	8 57	85 22	62 30	85 19	8 55	79 56	1'9219	12'205	12'350
33	d	$-\frac{1}{2}$	13'1'14'2	3 40	75 04	13 30	75 03	3 33	74 38	0'2402	3'7449	3'7520
34	?i	-61	6171	7 35	74 38	25 40	74 30	7 19	72 54	0'4805	3'6062	3'6381
35	Δ	$-\frac{2}{3}$	28'4'32'5	6 35	73 23	21 01	73 17	6 21	72 10	0'3843	3'3288	3'3500

Dufrenoyzit.

Rhombisch.

a = 0'938	lg a = 997220	lg a ₀ = 978722	lg p ₀ = 021278	a ₀ = 0'6127	p ₀ = 1'6322
c = 1'531	lg c = 018498	lg b ₀ = 981502	lg q ₀ = 018498	b ₀ = 0'6532	q ₀ = 1'5310

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	b	000	010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	a	∞0	100	90°00	"	90°00	0°00	90°00	0°00	∞	0	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
4	m	∞	110	46° 50	90° 00	90° 00	90° 00	46° 50	43° 10	1'0661	∞	∞
5	l	$0\frac{1}{2}$	012	0 00	37 26	0 00	37 26	0 00	37 26	0	0'7655	0'7655
6	k	$0\frac{2}{3}$	023	"	45 35	"	45 35	"	45 35	"	1'0206	1'0206
7	i	01	011	"	56 51	"	56 51	"	56 51	"	1'5310	1'5310
8	h	$\frac{1}{2}0$	104	90 00	22 12	22 12	0 00	22 12	0 00	0'4080	0	0'4080
9	g	$\frac{1}{2}0$	102	"	39 13	39 13	"	39 13	"	0'8161	"	0'8161
10	f	$\frac{2}{3}0$	203	"	47 25	47 25	"	47 25	"	1'0881	"	1'0881
11	d	10	101	"	58 30	58 30	"	58 30	"	1'6322	"	1'6322
12	e	20	201	"	72 58	72 58	"	72 58	"	3'2644	"	3'2644
13	n	$\frac{2}{3}$	223	46 50	56 10	47 25	45 35	37 17	34 38	1'0881	1'0206	1'4919
14	q	1	111	"	65 55	58 30	56 51	41 45	38 39	1'6322	1'5310	2'2379
15	p	2	221	"	77 24	72 58	71 55	45 23	41 53	3'2644	3'0620	4'4758

Durangit.

Monoklin.

a = 0'7715	lg a = 988734	lg a ₀ = 997231	lg p ₀ = 002769	a ₀ = 0'9382	p ₀ = 1'0658
c = 0'8223	lg c = 991503	lg b ₀ = 008497	lg q ₀ = 987154	b ₀ = 1'2161	q ₀ = 0'7439
$\mu_{180-\beta} = \left. \begin{matrix} 64^\circ 47' \\ \beta \end{matrix} \right\}$	$\left. \begin{matrix} \lg h = \\ \lg \sin \mu \end{matrix} \right\} 995651$	$\left. \begin{matrix} \lg e = \\ \lg \cos \mu \end{matrix} \right\} 962945$	$\lg \frac{p_0}{q_0} = 015615$	h = 0'9047	e = 0'4260

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' =tg ϱ
1	b	0∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
3	m	∞	110	55 05	"	"	90 00	55 05	34 55	1'4326	∞	"
4	e	02	021	15 58	59 41	25 13	58 42	13 45	56 06	0'4709	1'0446	1'7106
5	p	$+\frac{1}{2}$	111	63 30	61 30	58 46	39 26	51 51	23 05	1'6489	0'8223	1'8426
6	k	$-\frac{1}{2}$	112	16 02	23 09	6 44	22 21	6 14	22 12	0'1181	0'4111	0'4278
7	π	-1	111	40 42	47 19	35 16	39 26	28 38	33 52	0'7072	0'8223	1'0846

Dysanalyt.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\left\{ \begin{matrix} 0 \\ 0\infty \end{matrix} \right.$	$\left\{ \begin{matrix} 001 \\ 010 \end{matrix} \right.$	$\left\{ \begin{matrix} - \\ 0^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ \infty \end{matrix} \right.$

Edingtonit.

Tetragonal. Domatisch-hemiedrisch.

$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0.953$	$\lg c = 997909$	$\lg a_0 = 002091$	$a_0 = 1.0493$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	a	0 ∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	s	0 $\frac{1}{3}$	013	"	17 36	"	17 36	"	17 36	"	0.3176	0.3176
3	n	0 $\frac{1}{2}$	012	"	25 28	"	25 28	"	25 28	"	0.4765	0.4765
4	e	01	011	"	43 37	"	43 37	"	43 37	"	0.9530	0.9530

Eis.

Hexagonal.

$c = 2.4294$	$\lg c = 0.38550$	$\lg a_0 = 985306$	$\lg p_0 = 020941$	$a_0 = 0.7130$	$p_0 = 1.6196$	(G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	$\infty 0$	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	n	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	r	$\frac{1}{2} 0$	1012	0 00	39 00	0 00	39 00	0 00	39 00	0	0.8098	0.8098
5	s	10	1011	"	58 18	"	58 18	"	58 18	"	1.6196	1.6196
6	t	40	4041	"	81 13	"	81 13	"	81 13	"	6.4784	6.4784

Eisen.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\left\{ \begin{matrix} 0 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 001 \\ 010 \end{matrix} \right.$	$\left\{ \begin{matrix} — \\ 0° 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0° 00 \\ 90 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0° 00 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0° 00 \\ 90 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0° 00 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0° 00 \\ 90 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ \infty \end{matrix} \right.$
2	p	1	111	45 00	54 44	45 00	45 00	35 16	35 16	1.0000	1.0000	1.4142

Eisenglanz.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 1.3623$	$lg c = 0.13428$	$lg a_0 = 0.10428$	$lg p_0 = 9.95819$	$a_0 = 1.2714$	$p_0 = 0.9082$	(G_2)
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Nr.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞o	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0° 5773	"	"
4	η	2∞	2130	19 06'	"	"	"	19 06'	70 53'	0° 3464	"	"
5	θ	4∞	4150	10 53'	"	"	"	10 53'	79 06'	0° 1924	"	"
6	q	$\frac{1}{2}$ o	1012	0 00	24 25'	0 00	24 25'	0 00	24 25'	o	0° 4541	0° 4541
7	π	10	1011	"	42 14'	"	42 14'	"	42 14'	"	0° 9082	0° 9082
8	r	$\frac{2}{3}$ o	6065	"	47 27'	"	47 27'	"	47 27'	"	1° 0898	1° 0898
9	λ	20	2021	"	61 10	"	61 10	"	61 10	"	1° 8164	1° 8164
10	α	40	4041	"	74 36'	"	74 36'	"	74 36'	"	3° 6328	3° 6328
11	t	$\frac{3}{2}$ o	9092	"	76 15	"	76 15	"	76 15	"	4° 0870	4° 0870
12	u	50	5051	"	77 35	"	77 35	"	77 35	"	4° 5411	4° 5411
13	ξ	60	6061	"	79 36	"	79 36	"	79 36	"	5° 4492	5° 4492
14	β	70	7071	"	81 03	"	81 03	"	81 03	"	6° 3576	6° 3576
15	γ	80	8081	"	82 10	"	82 10	"	82 10	"	7° 2657	7° 2657
16	δ	90	9091	"	83 01'	"	83 01'	"	83 01'	"	8° 1740	8° 1740
17	G	$-\frac{1}{2}$ 3	1° 1' 2" 23	30 00	3 55	1 57'	3 23'	1 57'	3 23	0° 0342	0° 0592	0° 0684
18	c'	$+\frac{1}{16}$	1° 1' 2" 16	"	5 37	2 49	4 52	2 48	4 51	0° 0492	0° 0851	0° 0983
19	r'	$-\frac{1}{4}$	1128	"	11 07'	5 37	9 40	5 24'	9 37	0° 0983	0° 1702	0° 1966
20	a'	$-\frac{1}{3}$	1125	"	17 28	8 56'	15 14'	8 38	15 04	0° 1573	0° 2725	0° 3146
21	d'E	$\pm\frac{1}{2}$	1124	"	21 28	11 07'	18 48'	10 32'	18 28'	0° 1966	0° 3406	0° 3933
22	D	$-\frac{2}{3}$	2247	"	24 12	12 40	21 16	11 49'	20 47'	0° 2247	0° 3892	0° 4494
23	e'	$+\frac{2}{3}$	2245	"	32 10	17 28	28 35	15 26'	27 28	0° 3146	0° 5449	0° 6292
24	fδ	$\pm\frac{1}{2}$	1132	"	38 11	21 28	34 15'	18 03	32 22	0° 3933	0° 6811	0° 7865
25	g'	$+\frac{2}{3}$	4487	"	41 57	24 12	37 54	19 04	35 22'	0° 4494	0° 7785	0° 8989
26	x'	$+\frac{3}{8}$	5° 5' 10" 8	"	44 31	26 10'	40 25	20 31	37 23	0° 4916	0° 8515	0° 9832
27	C	$-\frac{5}{7}$	5° 5' 10" 7	"	48 20	29 19'	44 13	21 56	40 18'	0° 5618	0° 9731	1° 1236
28	η'	$-\frac{1}{2}$	4485	"	51 32	32 11	47 27'	23 03	42 41'	0° 6292	1° 0898	1° 2585
29	p' x'	± 1	1121	"	57 33'	38 11	53 43	24 57'	46 57'	0° 7865	1° 3623	1° 5731
30	b' v'	$\pm\frac{3}{2}$	5° 5' 10" 4	"	63 02'	44 31	59 34'	26 28	50 31'	0° 9832	1° 7025	1° 9664
31	g'	$-\frac{3}{2}$	3362	"	67 02	49 43	63 55'	27 24'	52 53	1° 1825	2° 0435	2° 3596
32	a' φ'	± 2	2241	"	72 22	57 33'	69 51	28 27'	55 37'	1° 5731	2° 7246	3° 1461
33	k'	$+\frac{3}{2}$	5° 5' 10" 2	"	75 44	63 02'	73 38	28 59	57 04	1° 9663	3° 4058	3° 9327
34	m'	+4	4481	"	80 58	72 22	79 36	29 35'	58 47'	3° 1461	5° 4492	6° 2923
35	z'	-5	5° 5' 10" 1	"	82 45	75 44	81 39	29 44	59 13	3° 9327	6° 8117	7° 8654

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =lg ϱ
36	z:	$-\frac{4}{3}\frac{1}{3}$	4155	10° 53'	39° 40'	8° 56'	39° 15'	6° 56'	38° 55'	0'1537	0'8174	0'8324
37	t:	$+\frac{1}{2}$	4154	"	46 08	11 07'	45 37'	7 50'	45 04'	0'1966	1'0217	1'0405
38	K:	$+\frac{1}{4}$	4151	"	76 29'	38 11'	76 15'	10 35'	72 42'	0'7865	4'0870	4'1620
39	H:	$+\frac{3}{2}\frac{2}{3}$	37° 25' 62' 31	23 37'	57 43'	32 23'	55 24'	19 48'	50 46'	0'6343	1'4502	1'5829
40	L:	$+\frac{3}{2}\frac{2}{3}$	4263	19 06'	58 01'	27 40'	56 33'	16 07'	53 16'	0'5244	1'5137	1'6020
41	M:	$+\frac{1}{8}\frac{5}{8}$	11° 5' 16' 8	17 47'	58 09'	26 10'	56 52'	15 02'	53 59'	0'4916	1'5326	1'6045
42	N:	$+\frac{10}{7}$	10° 4' 14' 7	16 06'	58 19'	24 12'	57 17'	13 39'	54 51'	0'4494	1'5569	1'6205
43	O:	$+\frac{3}{2}\frac{2}{3}$	3142	13 54'	58 35'	21 28'	57 39'	11 49'	55 56'	0'3933	1'5894	1'6373
44	a:	$+\frac{8}{3}\frac{2}{3}$	8° 2' 10' 5	10 53'	59 00'	17 28'	58 32'	9 19'	57 19'	0'3146	1'6348	1'6645
45	b:	$+\frac{7}{4}\frac{1}{4}$	7184	6 35'	59 44'	11 07'	59 34'	5 41'	59 06'	0'1966	1'7029	1'7142
46	c:	$-\frac{2}{3}\frac{1}{3}$	10° 1' 11' 5	4 43'	62 24'	8 56'	62 20'	4 10'	62 02'	0'1537	1'9073	1'9137
47	d:	$-\frac{2}{7}$	14° 2' 16' 7	6 35'	62 57'	12 40'	62 48'	5 52'	62 13'	0'2196	1'9462	1'9541
48	e:	$-\frac{2}{3}\frac{1}{3}$	4152	10 53'	64 20'	21 28'	63 55'	9 48'	62 15'	0'3933	2'0435	2'0811
49	q:	-82	8° 2' 10' 1	"	83 09'	57 33'	83 01'	10 49'	77 09'	1'5373	8'1740	8'3240
50	g:	$-\frac{7}{2}\frac{1}{2}$	7182	6 35'	73 44'	21 28'	73 38'	6 19'	72 29'	0'3933	3'4058	3'4284
51	B:	$+\frac{7}{4}$	7° 4' 11' 1	21 03'	83 29'	72 22'	83 01'	20 54'	68 00'	3'1461	8'1740	8'7586
52	S:	$+\frac{10}{4}$	10° 4' 14' 1	16 06'	84 58'	"	84 45'	16 02'	73 09'	"	10'650	11'344
53	Y:	$+\frac{29}{4}$	20° 8' 37' 2	11 51'	86 16'	"	86 11'	11 50'	77 34'	"	14'985	15'312
54	R:	-43	4371	25 17'	79 44'	67 02'	78 41'	24 51'	62 50'	2'3596	4'9951	5'5245
55	g:	$-\frac{1}{2}\frac{1}{2}$	4158	10 53'	27 29'	5 37'	27 03'	5 00'	26 57'	0'0983	0'5109	5'2025
56	Σ	$+\frac{14}{5}\frac{2}{5}$	14° 2' 16' 5	6 35'	69 58'	17 28'	69 50'	6 11'	68 57'	0'3146	2'7246	2'7427
57	Φ	$-\frac{7}{3}\frac{2}{3}$	38° 7' 35' 20	10 53'	55 32'	15 23'	55 02'	8 58'	54 03'	0'2753	1'4304	1'4507
58	II	$-\frac{8}{2}\frac{2}{2}$	8° 2' 10' 7	"	49 56'	12 40'	49 25'	8 19'	48 43'	0'2247	1'1677	1'1841
59	Ω	$-\frac{20}{13}\frac{2}{13}$	20° 2' 22' 13	4 43'	55 48'	6 54'	55 43'	3 54'	55 31'	0'1210	1'4671	1'4721

Eisenspath.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 0'8184 \quad \lg c = 991297 \quad \lg a_0 = 032550 \quad \lg p_0 = 073688 \quad a_0 = 2'1163 \quad p_0 = 0'5456 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =lg ϱ
1	o	o	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	o	o	o
2	a	$\infty 0$	1010	0° 00'	90 00'	"	90 00'	"	90 00'	"	∞	∞
3	b	∞	1120	30 00'	"	90 00'	"	30 00'	60 00'	0'5773	"	"
4	λ	20	2021	0 00'	47 30'	0 00'	47 30'	0 00'	47 30'	o	1'0912	1'0912
5	f δ	$+\frac{1}{2}$	1122	30 00'	25 17'	13 17'	22 15'	12 20'	21 43'	0'2362	0'4092	0'4725
6	i	$+\frac{3}{4}$	3364	"	35 19'	19 31'	31 32'	16 48'	30 03'	0'3544	0'6138	0'7088
7	p	$+\frac{1}{2}$	1121	"	43 23'	25 17'	39 18'	20 05'	36 30'	0'4725	0'8184	0'9450
8	q	$-\frac{3}{2}$	3362	"	54 48'	35 19'	50 50'	24 07'	45 02'	0'7088	1'2276	1'4175
9	q	-2	2241	"	62 07'	43 23'	58 34'	26 13'	49 57'	0'9450	1'6368	1'8000

Nr.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tg ϱ
10	Ω	$-\frac{7}{3}$	7·7·14·3	30° 00	65° 36	47° 47	62° 21	27° 05	52° 04	1·1025	1·9096	2·2050
11	m	$+\frac{4}{3}$	4481	"	75 11	62 07	73 01	28 54	56 51	1·8900	3·2736	3·7801
12	Φ	-5	5·5·10·1	"	78 03	67 03	76 16	29 17	57 54	2·3625	4·0920	4·7251
13	Π	-8	8·8·16·1	"	82 28	75 11	81 19	29 43	59 09	3·7801	6·5473	7·5602
14	K	$+\frac{4}{3}$	4151	10 53	68 12	25 17	67 50	10 06	65 45	0·4725	2·4552	2·5003
15	q	-82	8·2·10·1	"	78 41	43 23	78 29	10 41	74 21	0·9450	4·9104	5·0006

Eisenvitriol.

Monoklin.

a = 1·1828	lg a = 007291	lg a ₀ = 988463	lg p ₀ = 011537	a ₀ = 0·7667	p ₀ = 1·3043
c = 1·5427	lg c = 018828	lg b ₀ = 981172	lg q ₀ = 017468	b ₀ = 0·6482	q ₀ = 1·4951
$\mu = \frac{1}{180} \beta = 75^\circ 44$	lg h = 998640 lg sin μ	lg e = 939170 lg cos μ	lg $\frac{p_0}{q_0} = 994069$	h = 0·9692	e = 0·2464

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = tg ϱ
1	c	0	001	90° 00	14° 16	14° 16	0° 00	14° 16	0° 00	0·2542	0	0·2542
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	"	0	"
4	m	∞	110	41 06	"	"	90 00	41 06	48 54	0·8723	∞	"
5	e	0 $\frac{1}{3}$	013	26 18	29 50	14 16	27 13	12 44	26 29	0·2543	0·5142	0·5737
6	o	01	011	9 21	57 24	"	57 03	7 52	56 13	"	1·5427	1·5635
7	u	$+\frac{3}{10}$	301	90 00	76 53	76 53	0 00	76 53	0 00	4·2916	0	4·2916
8	v	$+\frac{1}{10}$	101	"	58 00	58 00	"	58 00	"	1·6000	"	1·6000
9	w	$+\frac{1}{3} 0$	103	"	35 06	35 06	"	35 06	"	0·7027	"	0·7027
10	s	$-\frac{1}{3} 0$	105	90 00	0 51	0 51	"	0 51	"	0·0148	"	0·0148
11	t	$-\frac{1}{10}$	101	"	47 30	47 30	"	47 30	"	1·0915	"	1·0915
12	r	$-\frac{1}{1}$	111	46 03	65 46	58 00	57 03	41 02	39 16	1·6005	1·5427	2·2227
13	a	$+\frac{1}{2}$	112	50 14	56 20	42 50	37 38	36 17	29 29	0·9271	0·7713	1·2060
14	β	$+\frac{1}{12}$	121	27 25	73 57	58 00	72 02	26 15	58 33	1·6005	3·0854	3·4756
15	γ	-12	121	19 29	73 00	47 30	"	18 36	64 22	1·0917	"	3·2728
16	δ	$+\frac{1}{21}$	211	62 21	73 15	71 15	57 03	58 01	26 22	2·9454	1·5427	3·3250

Eleonorit.**Monoklin.**

a = 2.755	lga = 044012	lga ₀ = 983636	lgp ₀ = 016364	a ₀ = 0.6861	p ₀ = 1.4576
c = 4.0157	lgc = 060376	lgb ₀ = 939624	lgq ₀ = 047855	b ₀ = 0.2490	q ₀ = 3.0099
$\mu = \frac{1}{180 - \beta} 48.33$	$\lg h = \frac{1}{\lg \sin \mu} 987479$	$\lg e = \frac{1}{\lg \cos \mu} 982084$	$\lg \frac{p_0}{q_0} = 968509$	h = 0.7495	e = 0.6620

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y'	d' = tg ϱ
1	c	0	001	90° 00	41° 27	41° 27	0° 00	41° 27	0° 00	0.8832	0	0.8832
2	a	∞0	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	f	+1	111	35 09	78 29	70 31	76 01	34 21	53 14	2.8279	4.0157	4.0114
4	g	-1	111	14 38	76 27	46 21	"	14 13	70 10	1.0481	"	4.1502

Embolit.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} - \\ 0^\circ 00 \end{cases}$	$\begin{cases} 0^\circ 00 \\ 90^\circ 00 \end{cases}$	$\begin{cases} 0^\circ 00 \\ " \end{cases}$	$\begin{cases} 0^\circ 00 \\ 90^\circ 00 \end{cases}$	$\begin{cases} 0^\circ 00 \\ " \end{cases}$	$\begin{cases} 0^\circ 00 \\ 90^\circ 00 \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$
2	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{cases} 012 \\ 021 \\ 120 \end{cases}$	$\begin{cases} " \\ " \\ 26^\circ 34 \end{cases}$	$\begin{cases} 26^\circ 34 \\ 63^\circ 26 \\ 90^\circ 00 \end{cases}$	$\begin{cases} " \\ " \\ 90^\circ 00 \end{cases}$	$\begin{cases} 26^\circ 34 \\ 63^\circ 26 \\ 90^\circ 00 \end{cases}$	$\begin{cases} " \\ " \\ 26^\circ 34 \end{cases}$	$\begin{cases} 26^\circ 34 \\ 63^\circ 26 \\ " \end{cases}$	$\begin{cases} " \\ " \\ 0.5000 \end{cases}$	$\begin{cases} 0.5000 \\ 2.0000 \\ \infty \end{cases}$	$\begin{cases} 0.5000 \\ 2.0000 \\ \infty \end{cases}$
3	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} 0^\circ 00 \\ 45^\circ 00 \end{cases}$	$\begin{cases} 45^\circ 00 \\ 90^\circ 00 \end{cases}$	$\begin{cases} 0^\circ 00 \\ 90^\circ 00 \end{cases}$	$\begin{cases} 45^\circ 00 \\ 90^\circ 00 \end{cases}$	$\begin{cases} 0^\circ 00 \\ 45^\circ 00 \end{cases}$	$\begin{cases} 45^\circ 00 \\ " \end{cases}$	$\begin{cases} 0 \\ 1.0000 \end{cases}$	$\begin{cases} 1.0000 \\ \infty \end{cases}$	$\begin{cases} 1.0000 \\ \infty \end{cases}$
4	p	1	111	"	54 44	45 00	45 00	35 16	35 16	"	1.0000	1.4142

Emplektit.**Rhomboisch.**

a = 0.9601	lga = 998232	lga ₀ = 009369	lgp ₀ = 990631	a ₀ = 1.2408	p ₀ = 0.8059
c = 0.7738	lgc = 988863	lgb ₀ = 011137	lgq ₀ = 988863	b ₀ = 1.2923	q ₀ = 0.7738

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	∞0	010	000	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
4	u	$\frac{3}{2}\infty$	320	57° 22'	90° 00'	90° 00'	90° 00'	57° 22'	32° 37'	1'5623	∞	∞
5	g	$\frac{3}{2}\infty$	650	51 20	"	"	"	51 20	38 40	1'2498	"	"
6	z	∞	110	46 10	"	"	"	46 10	43 50	1'0415	"	"
7	y	$\infty 2$	120	27 30	"	"	"	27 30	62 29	0'5207	"	"
8	x	$\infty 7$	170	8 27	"	"	"	8 27	81 32	0'1488	"	"
9	d	10	101	90 00	38 52	38 52	0 00	38 52	0 00	0'8059	0	0'8059
10	k	$\frac{1}{2}0$	103	"	15 02	15 02	"	15 02	"	0'2686	"	0'2686

Enargit.

Rhomhisch.

a = 0'8711	lg a = 994007	lg a ₀ = 002372	lg p ₀ = 997628	a ₀ = 1'0562	p ₀ = 0'9468
c = 0'8248	lg c = 991635	lg b ₀ = 008365	lg q ₀ = 991635	b ₀ = 1'2124	q ₀ = 0'8248

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	b	0 ∞	010	0° 00'	90 00	"	90 00	"	90 00	"	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	r	3 ∞	310	73 48	"	"	90 00	73 48	16 11	3'4439	∞	"
5	d	2 ∞	210	66 28	"	"	"	66 28	23 32	2'2959	"	"
6	x	$\frac{3}{2}\infty$	320	59 51	"	"	"	59 51	30 09	1'7219	"	"
7	e	$\frac{4}{3}\infty$	430	56 50	"	"	"	56 50	33 09	1'5306	"	"
8	g	∞	110	48 56	"	"	"	48 56	41 03	1'1479	"	"
9	h	$\infty 2$	120	29 51	"	"	"	29 51	60 08	0'5740	"	"
10	l	$\infty 3$	130	20 56	"	"	"	20 56	69 03	0'3826	"	"
11	s	01	011	0 00	39 31	0 00	39 31	0 00	39 31	0	0'8248	0'8248
12	\emptyset	05	051	"	76 22	"	76 22	"	76 22	"	4'1240	4'1240
13	l	$\frac{1}{3}0$	103	90 00	17 31	17 31	0 00	17 31	0 00	0'3156	0	0'3156
14	n	$\frac{1}{2}0$	102	"	25 20	25 20	"	25 20	"	0'4734	"	0'4734
15	k	10	101	"	43 26	43 26	"	43 26	"	0'9468	"	0'9468
16	m	20	201	"	62 10	62 10	"	62 10	"	1'8937	"	1'8937
17	o	1	111	48 56	51 28	43 26	39 31	36 08	30 55	0'9468	0'8248	1'2557
18	p	$\frac{1}{2}$	112	"	32 07	25 20	22 24	23 38	20 26	0'4734	0'4124	0'6279
19	q	$\frac{1}{3}$	115	"	14 06	10 43	9 22	10 35	9 12	0'1893	0'1649	0'2511
20	L	$\frac{1}{4}\frac{3}{2}$	132	20 56	52 57	25 20	51 03	16 34	48 11	0'4734	1'2375	1'3247
21	z	$\frac{1}{4}\frac{3}{2}$	134	"	33 31	13 19	31 44	11 23	31 02	0'2367	0'6186	0'6623

Eosit.**Tetragonal.**

$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 1.3778$	$lg\ c = 0.13919$	$lg\ a_o = 9.86081$	$a_o = 0.7258$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d = tg φ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	p	1	111	45° 00	62 50	54 01	54 01	38 59	38 59	1.3778	1.3778	1.9485

Eosphorit.**Rhombisch.**

$a = 0.7768$	$lg\ a = 9.89031$	$lg\ a_o = 0.17850$	$lg\ p_o = 9.82150$	$a_o = 1.5083$	$p_o = 0.6630$
$c = 0.5150$	$lg\ c = 9.71181$	$lg\ b_o = 0.28819$	$lg\ q_o = 9.71181$	$b_o = 1.9417$	$q_o = 0.5150$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d = tg φ
1	p	0 ∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	$\infty 0$	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	n	∞	110	52° 09'	"	"	90° 00	52° 09'	37° 50'	1.2873	∞	"
4	g	$\infty 2$	120	32° 46'	"	"	"	32° 46'	57° 14'	0.6436	"	"
5	t	1	111	52° 09'	40° 01'	33° 32'	27° 15'	30° 31'	23° 14'	0.6630	0.5138	0.8395
6	q	1 $\frac{1}{2}$	232	40° 38'	45° 30'	"	37° 41'	27° 41'	32° 46'	"	0.7725	1.0179
7	s	12	121	32° 46'	50° 46'	"	45° 51'	24° 47'	40° 38'	"	1.0300	1.2240

Epididymit.**Rhombisch.**

$a = 1.7367$	$lg\ a = 0.23979$	$lg\ a_o = 9.97150$	$lg\ p_o = 0.02850$	$a_o = 0.9365$	$p_o = 1.0678$
$c = 1.8548$	$lg\ c = 0.26829$	$lg\ b_o = 9.73171$	$lg\ q_o = 0.26829$	$b_o = 0.5391$	$q_o = 1.8548$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d = tg φ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0 ∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	$\infty 0$	100	90° 00	0° 00	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	l	3 ∞	310	59° 56'	90° 00	"	90° 00	59° 56'	30° 04'	1.7272	∞	"
5	n	2 ∞	210	49° 01'	"	"	"	49° 01'	40° 58'	1.1514	"	"
6	m	∞	110	29° 56'	"	"	"	29° 56'	60° 04'	0.5757	"	"

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
7	i	$\frac{1}{3}0$	103	90°00	19°36	19°36	0°00	19°36	0°00	0°3359	0	0°3359
8	h	$\frac{2}{3}0$	308	"	21 49	21 49	"	21 49	"	0°4004	"	0°4004
9	g	$\frac{1}{2}0$	102	"	28 06	28 06	"	28 06	"	0°5339	"	0°5339
10	e	$\frac{2}{3}0$	203	"	35 23	35 23	"	35 23	"	0°7102	"	0°7102
11	d	10	101	"	46 52	46 52	"	46 52	"	1°0678	"	1°0678
12	f	20	201	"	64 54	64 54	"	64 54	"	2°1356	"	2°1356
13	p	1	111	29 56	64 57	46 52	61 40	26 52	51 44	1°0678	1°8548	2°1402

Epidot.

Monoklin.

a = 1°5807	lg a = 019885	lg a ₀ = 994220	lg p ₀ = 005780	a ₀ = 0°8754	p ₀ = 1°1423
c = 1°8057	lg c = 025665	lg b ₀ = 974335	lg q ₀ = 021250	b ₀ = 0°5538	q ₀ = 1°6312
$\mu = \frac{1}{180-\beta} 64^\circ 36'$	lg h = 995585	lg e = 963239	lg p ₀ = 984530	h = 0°9033	e = 0°4289
	lg sin μ	lg cos μ	lg q ₀		

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' = tg ϱ
1	c	0	001	90°00	25°24	25°24	0°00	25°24	0°00	0°4748	0	0°4748
2	b	00	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	t	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	y	30	310	64 33	"	"	90 00	64 33	25 27	2°1009	∞	"
5	u	20	210	54 28	"	"	"	54 28	35 31	1°4006	"	"
6	r	$\frac{1}{2}\infty$	320	46 24	"	"	"	46 24	43 35	1°0504	"	"
7	z	∞	110	35 00	"	"	"	35 00	54 59	0°7003	"	"
8	G	$\infty 2$	120	19 18	"	"	"	19 18	70 42	0°3501	"	"
9	E	$\infty 5$	150	7 58	"	"	"	7 58	82 01	0°1400	"	"
10	p	$0\frac{1}{2}$	016	57 38	29 20	25 24	16 45	24 27	15 12	0°4748	0°3009	0°5622
11	h	$0\frac{1}{3}$	015	52 44	30 49	"	19 51	24 04	18 04	"	0°3613	0°5966
12	Q	$0\frac{2}{3}$	029	49 48	31 52	"	21 52	23 47	19 55	"	0°4013	0°6217
13	w	$0\frac{1}{4}$	014	46 27	33 14	"	24 18	23 24	22 11	"	0°4514	0°6552
14	γ	$0\frac{1}{5}$	013	38 16	37 28	"	31 02	22 08	28 32	"	0°6019	0°7666
15	k	$0\frac{1}{2}$	012	27 44	45 34	"	42 04	29 25	39 12	"	0°9028	1°0201
16	D	$0\frac{2}{3}$	023	21 31	52 18	"	50 17	16 53	47 24	"	1°2038	1°2941
17	o	01	011	14 44	61 49	"	61 01	12 57	58 29	"	1°8057	1°8671
18	g	+30	301	90 00	76 49	76 49	0 00	76 49	0 00	4°2684	0	4°2684
19	θ	+20	201	"	71 35	71 35	"	71 35	"	3°0038	"	3°0038
20	e	+10	101	"	60 06	60 06	"	60 06	"	1°7393	"	1°7393
21	l	+ $\frac{3}{2}0$	304	"	54 54	54 54	"	54 54	"	1°4231	"	1°4231
22	W	+ $\frac{3}{4}0$	305	"	50 58	50 58	"	50 58	"	1°2334	"	1°2334
23	m	+ $\frac{1}{2}0$	102	"	47 54	47 54	"	47 54	"	1°1070	"	1°1070

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
24	A	$+\frac{1}{3}0$	103	90°00	41°52	41°52	0°00	41°52	0°00	0.8962	0	0.8962
25	Ω	$+\frac{1}{3}0$	105	"	36 02	36 02	"	36 02	"	0.7276	"	0.7276
26	C	$-\frac{1}{3}0$	105	90 00	12 31	12 31	"	12 31	"	0.2219	"	0.2219
27	S	$-\frac{1}{2}0$	104	"	9 01	9 01	"	9 01	"	0.1587	"	0.1587
28	R	$-\frac{1}{2}0$	103	"	3 03	3 03	"	3 03	"	0.0533	"	0.0533
29	i	$-\frac{1}{2}0$	102	"	8 57	8 57	"	8 57	"	0.1574	"	0.1574
30	σ	$-\frac{2}{3}0$	203	"	20 13	20 13	"	20 13	"	0.3682	"	0.3682
31	N	$-\frac{2}{3}0$	304	"	25 20	25 20	"	25 20	"	0.4735	"	0.4735
32	r	$-\frac{1}{10}$	101	"	38 18	38 18	"	38 18	"	0.7897	"	0.7897
33	L	$-\frac{7}{2}0$	706	"	45 06	45 06	"	45 06	"	1.0004	"	1.0004
34	ρ	$-\frac{4}{3}0$	403	"	50 27	50 27	"	50 27	"	1.2109	"	1.2109
35	K	$-\frac{3}{2}0$	302	"	54 53	54 53	"	54 53	"	1.4218	"	1.4218
36	a	-20	201	"	64 02	64 02	"	64 02	"	2.0543	"	2.0543
37	f	-30	301	"	73 14	73 14	"	73 14	"	3.3187	"	3.3187
38	T	-40	401	"	77 41	77 41	"	77 41	"	4.5833	"	4.5833
39	d	$+\frac{1}{3}$	111	43 55	68 15	60 06	61 01	40 07	41 59	1.7393	1.8057	2.5072
40	v	$+\frac{1}{2}$	112	50 48	55 00	47 54	42 05	39 24	31 11	1.1070	0.9028	1.4275
41	s	$+\frac{1}{3}$	113	56 07	47 11	41 52	31 02	37 31	24 08	0.8963	0.6019	1.0797
42	ν	$+\frac{1}{6}$	116	66 18	36 50	34 26	16 45	33 17	13 56	0.6855	0.3009	0.7487
43	ϵ	$+\frac{1}{15}$	1115	77 51	29 46	29 12	6 52	29 02	6 00	0.5590	0.1204	0.5719
44	π	$-\frac{1}{4}$	114	19 22	25 34	9 01	24 18	8 13	24 02	0.1586	0.4514	0.4785
45	ϱ	$-\frac{1}{3}$	113	5 03	31 08	3 03	31 02	2 37	31 00	0.0533	0.6019	0.6043
46	x	$-\frac{1}{2}$	112	9 53	42 30	8 57	42 05	0 40	41 44	0.1574	0.9028	0.9105
47	n	-1	111	23 37	63 06	38 18	61 01	20 56	54 47	0.7897	1.8057	1.9709
48	q	-2	221	29 38	76 28	64 02	74 31	28 44	57 41	2.0543	3.6114	4.1548
49	ϕ	$+\frac{1}{12}$	121	25 43	75 59	60 06	"	24 54	60 57	1.7393	"	4.0004
50	ξ	$-\frac{1}{3}$	313	52 41	44 48	38 18	31 02	34 05	25 17	0.7897	0.6019	0.9930
51	H	$-\frac{1}{2}$	212	41 10	50 11	"	42 05	30 23	35 19	"	0.9028	1.1095
52	s	$-\frac{1}{3}$	323	33 16	55 13	"	50 17	26 46	43 22	"	1.2038	1.4307
53	Z	$-\frac{1}{2}$	232	16 15	70 29	"	69 44	15 18	64 48	"	2.7086	2.8214
54	Φ	$-\frac{1}{3}$	353	14 42	72 11	"	71 37	13 59	61 34	"	3.0095	3.1114
55	φ	-12	121	12 20	74 51	"	74 31	11 54	70 34	"	3.6114	3.9907
56	Δ	-13	131	8 17	79 39	"	79 32	8 09	76 46	"	5.4171	5.4744
57	δ	-14	141	6 14	82 10	"	82 07	6 11	80 00	"	7.2228	7.2660
58	E	-15	151	5 00	83 42	"	83 41	4 58	81 57	"	9.0286	9.0632
59	Δ	-16	161	4 10	84 44	"	84 43	4 09	83 17	"	10.8343	10.863
60	a	-17	171	3 34	85 29	"	85 28	3 34	84 14	"	12.6400	12.665
61	b	$+\frac{1}{61}$	611	77 22	83 06	82 56	61 01	75 35	12 32	8.0620	1.8057	8.2615
62	w	$+\frac{1}{21}$	211	58 59	74 04	71 35	"	55 30	29 42	3.0038	"	3.5048
63	Σ	$+\frac{1}{2}1$	122	31 30	64 43	47 54	"	28 12	50 26	1.1070	"	2.1180
64	P	$+\frac{1}{2}1$	144	23 39	63 06	38 20	"	20 58	54 58	0.7909	"	1.9714
65	ψ	$-\frac{1}{2}1$	122	4 59	61 07	8 57	"	4 21	60 43	0.1574	"	1.8125
66	B	$-\frac{2}{3}1$	233	11 31	61 31	20 13	"	10 07	59 27	0.3682	"	1.8428
67	M	-21	211	48 41	69 55	64 02	"	44 52	38 19	2.0543	"	2.7351
68	z	-31	311	61 27	75 11	73 14	"	58 07	27 31	3.3188	"	3.7782

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
69	b	— 41	411	68° 30	78° 31	77° 41	61° 01	65° 45	21° 05	4° 5833	1° 8057	4° 9263
70	a	+ 23	231	29 00	80 50	71 35	79 32	28 36	59 42	3° 0038	5° 4171	6° 1943
71	c	— 2½	412	66 16	65 59	64 02	42 05	56 44	21 34	3° 0543	0° 9028	2° 2439
72	3	— 2½	623	59 38	67 13	"	50 17	52 42	27 47	"	1° 2038	2° 3810
73	x	+ 52	521	62 01	82 36	81 38	74 31	61 08	27 44	6° 7975	3° 6114	7° 6973
74	z	— 52	521	58 18	81 43	80 18	"	57 21	31 20	5° 8479	"	6° 8732
75	Γ	— 3½	512	71 25	70 34	69 35	42 05	63 22	17 29	3° 6866	0° 9028	2° 8343
76	U	— 3½	234	6 38	53 44	8 57	53 33	5 21	53 13	0° 1575	1° 3543	1° 3634
77	ω	— 3½	123	2 32	50 19	3 03	50 17	1 57	50 14	0° 0533	1° 2038	1° 2050
78	λ	+ 3½	213	65 27	55 23	52 48	31 02	48 28	20 00	1° 3177	0° 6019	1° 4487
79	Ψ	— 4½	413	74 26	65 58	65 10	"	61 37	14 11	3° 1607	"	2° 2430
80	μ	— 4½	423	60 52	67 59	"	50 17	54 05	26 49	"	1° 2038	2° 4734
81	V	— 9½	914	83 58	76 53	76 49	24 18	75 35	5 55	4° 2681	0° 4514	4° 2919
82	Y	— 2½	732	66 59	81 47	81 06	69 44	65 38	22 46	6° 3763	2° 7085	6° 9277

Epigenit.

Rhombisch.

$$\lg \frac{p_0}{q_0} = 0.16151; \quad \frac{p_0}{q_0} = 1.4504; \quad \frac{a}{b} = 0.690$$

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	m	∞	110	55° 25	90° 00	90° 00	90° 00	55° 25	34° 35	1° 4504	∞	∞

Epistilbit.

Monoklin.

a = 0° 5074	lg a = 970535	lg a ₀ = 994432	lg p ₀ = 005568	a ₀ = 0° 8797	p ₀ = 1° 1368
c = 0° 5768	lg c = 976103	lg b ₀ = 023897	lg q ₀ = 967728	b ₀ = 1° 7337	q ₀ = 0° 4756
μ = } 55° 33 180—β	lg h = } 991625 lg sin μ	lg e = } 975258 lg cos μ	lg $\frac{p_0}{q_0}$ = 037840	h = 0° 8246	e = 0° 5657

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	t	0	001	90° 00	34° 27	34° 27	0° 00	34° 27	0° 00	0° 6860	0	0° 6860
2	r	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	m	∞	110	67 18	"	90 00	"	67 18	22 42	2° 3900	"	"
4	u	01	011	49 56	41 52	34 27	29 58	30 43	25 26	0° 6860	0° 5768	0° 8963
5	e	— 10	101	90 00	34 42	34 42	0 00	34 42	0 00	0° 6925	0	0° 6925
6	s	— ½	112	0 39	16 05	0 11	16 05	0 11	16 05	0° 0032	0° 2884	0° 2884
7	p	— 1	111	50 12	42 02	34 42	29 58	30 57	25 22	0° 6925	0° 5768	0° 9013

Epsomit.**Rhombsch.**

$a = 0.9901$	$\lg a = 999568$	$\lg a_0 = 023912$	$\lg p_0 = 976088$	$a_0 = 1.7343$	$p_0 = 0.5766$
$c = 0.5709$	$\lg c = 975656$	$\lg b_0 = 024344$	$\lg q_0 = 975656$	$b_0 = 1.7516$	$q_0 = 0.5709$

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg \varrho$
1	a	∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	b	∞	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
3	m	∞	110	45 17	"	"	90 00	45 17	44 43	1'0100	∞	"
4	f	$\infty 2$	120	26 47	"	"	"	26 47	63 12	0'5050	"	"
5	g	2∞	210	63 39	"	"	"	63 39	26 20	2'0200	"	"
6	v	01	011	0 00	29 43	0 00	29 43	0 00	29 43	0	0.5709	0.5709
7	r	02	021	"	48 47	"	48 47	"	48 47	"	1'1418	1'1418
8	n	10	101	90 00	29 58	29 58	0 00	29 58	0 00	0.5766	0	0.5766
9	x	20	201	"	49 04	49 04	"	"	"	1'1532	"	1'1532
10	z	1	111	45 17	39 03	29 58	29 43	26 36	26 19	0.5766	0.5709	0.8114
11	t	12	121	26 47	51 59	"	48 47	20 48	44 41	"	1'1418	1'2791
12	s	21	211	63 39	52 09	49 04	29 43	45 02	20 30	1'1532	0.5709	1'2868

Erythrosiderit.**Rhombsch.**

$a = 0.6911$	$\lg a = 983954$	$\lg a_0 = 998354$	$\lg p_0 = 001646$	$a_0 = 0.9628$	$p_0 = 1.0386$
$c = 0.7178$	$\lg c = 985600$	$\lg b_0 = 014400$	$\lg q_0 = 985600$	$b_0 = 1.3932$	$q_0 = 0.7178$

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg \varrho$
1	b	∞	100	90° 00	90° 00	90° 00	0° 00	90° 00	0° 00	∞	0	∞
2	n	∞	110	55 21	"	"	90 00	55 21	34 39	1'4469	∞	"
3	d	$\frac{1}{2} 0$	102	90 00	27 26	27 26	0 00	27 26	0 00	0'5193	0	0'5193
4	e	10	101	"	46 05	46 05	"	46 05	"	1'0386	"	1'0386

Ettringit.

Hexagonal-holoedrisch.

$c = 0.817$	$\lg c = 991222$	$\lg a_0 = 032634$	$\lg p_0 = 973613$	$a_0 = 2.1200$	$p_0 = 0.5447$	(G_1)
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N.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	p	10	1011	"	28 34	"	28 34	"	28 34	"	0.5447	0.5447
4	q	20	2021	"	47 27	"	47 27	"	47 27	"	1.0893	1.0893

Euchlorin.

Rhombisch.

$a = 0.7616$	$\lg a = 988173$	$\lg a_0 = 960862$	$\lg p_0 = 039138$	$a_0 = 0.4061$	$p_0 = 2.4625$
$c = 1.8755$	$\lg c = 027311$	$\lg b_0 = 972689$	$\lg q_0 = 027311$	$b_0 = 0.5332$	$q_0 = 1.8755$

N.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	C	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	B	o∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	e	01	011	"	61 56	"	61 56	"	61 56	"	1.8755	1.8755
4	n	$\frac{1}{2}$ 0	103	90 00	39 23	39 23	0 00	39 23	0 00	0.8208	o	0.8208
5	m	10	101	"	67 54	67 54	"	67 54	"	2.4627	"	2.4627

Euchroit.

Rhombisch.

$a = 0.6088$	$\lg a = 978447$	$\lg a_0 = 976831$	$\lg p_0 = 023169$	$a_0 = 0.5866$	$p_0 = 1.7049$
$c = 1.0379$	$\lg c = 001616$	$\lg b_0 = 998384$	$\lg q_0 = 001616$	$b_0 = 0.9635$	$q_0 = 1.0379$

N.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	o∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	58 40	"	90 00	"	58 40	31 20	1.6426	"	"
4	s	$\infty \frac{2}{3}$	230	47 36	"	"	"	47 36	42 24	1.0950	"	"
5	l	$\infty 2$	120	39 23	"	"	"	39 23	50 36	0.8213	"	"
6	n	01	011	0 00	46 04	0 00	46 04	0 00	46 04	o	1.0379	1.0379
7	d	$\frac{1}{2}$ 0	102	90 00	40 26	40 26	0 00	40 26	0 00	0.8524	o	0.8524
8	e	10	101	"	59 36	59 36	"	59 36	"	1.7049	"	1.7049

Eudialyt.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 2.1116 \quad \lg c = 0.32461 \quad \lg a_0 = 991395 \quad \lg p_0 = 014852 \quad a_0 = 0.8203 \quad p_0 = 1.4078 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =lg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	$\infty 0$	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	π	10	1011	0 00	54 36	0 00	54 36	0 00	54 36	o	1.4077	1.4077
5	λ	20	2021	"	70 27	"	70 27	"	70 27	"	2.8155	2.8155
6	α'	$-\frac{1}{2}$	1125	30 00	26 00	13 42	22 53	12 39	22 18	0.2438	0.4223	0.4877
7	d'	$+\frac{1}{4}$	1124	"	31 22	16 57	27 50	15 05	26 47	0.3048	0.5279	0.6040
8	$f\delta'$	$+\frac{1}{2}$	1122	"	50 38	31 22	46 33	22 44	42 02	0.6096	1.0558	1.2191
9	x'	$+\frac{3}{8}$	5.5.10.8	"	56 43	37 18	52 51	24 42	46 23	0.7620	1.3198	1.5230
10	p'	$+1$	1121	"	67 42	50 38	64 39	27 33	53 15	1.2192	2.1116	2.4383
11	φ'	-2	2241	"	78 24	67 42	76 40	29 19	58 02	2.4383	4.2232	4.8765
12	H:	$+\frac{3}{2}1$	5271	16 06	77 11	50 38	"	15 41	69 31	1.2191	"	4.3957
13	K:	$+41$	4151	10 53	81 11	"	81 02	10 46	76 01	"	6.3347	6.4510

Eudidymit.

Monoklin.

a = 1.7107	lg a = 0.23318	lg a ₀ = 018899	lg p ₀ = 981101	a ₀ = 1.5452	p ₀ = 0.6472
c = 1.1071	lg c = 0.04419	lg b ₀ = 995581	lg q ₀ = 004325	b ₀ = 0.9033	q ₀ = 1.1047
$\mu = \left. \begin{matrix} 86^\circ 14' \\ 180 - \beta \end{matrix} \right\}$	$\lg h = \left. \begin{matrix} 999906 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 881752 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 976776$	h = 0.9978	e = 0.0657

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =lg ϱ
1	c	o	001	90° 00	3° 46	3° 46	0° 00	3° 46	0° 00	0.0658	o	0.0658
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	o	∞	∞
3	l	3∞	310	60 21	"	"	"	60 21	29 38	1.7574	"	"
4	e	$0\frac{1}{3}0$	0.10.3	1 01	74 50	3 46	74 50	0 59	74 48	0.0658	3.6904	3.6910
5	x	$+10.0$	10.0.1	90 00	81 19	81 19	0 00	81 19	0 00	6.5518	o	6.5518
6	d	$+\frac{3}{2}0$	502	"	59 21	59 21	"	59 21	"	1.6873	"	1.6873
7	q	-50	501	90 00	72 32	72 32	"	72 32	"	3.1771	"	3.1771
8	s	$+\frac{3}{2}$	552	31 22	72 51	59 21	70 08	29 49	54 40	1.6873	2.7677	3.2415
9	o	$+1$	111	32 50	52 48	35 32	47 54	25 35	42 01	0.7144	1.1071	1.3170
10	u	$+\frac{3}{2}$	335	34 24	38 50	24 28	33 36	20 45	31 09	0.4550	0.6642	0.8051
11	v	$-\frac{3}{2}$	334	26 52	42 57	22 49	39 42	17 56	37 26	0.4206	0.8303	0.9308
12	t	-5	551	29 51	81 06	72 32	79 45	29 27	58 58	3.1771	5.5355	6.3825

Euklas.

Monoklin.

$a = 0.3237$	$\lg a = 951014$	$\lg a_0 = 998744$	$\lg p_0 = 001256$	$a_0 = 0.9715$	$p_0 = 1.0293$
$c = 0.3332$	$\lg c = 952270$	$\lg b_0 = 047730$	$\lg q_0 = 951569$	$b_0 = 3.0012$	$q_0 = 0.3279$
$\mu_{180-\beta} = 79^\circ 44'$	$\lg h = 999299$	$\lg e = 925098$	$\lg \frac{p_0}{q_0} = 049687$	$h = 0.9840$	$e = 0.1782$

No	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tge
1	t	0	001	90°00	10°16	10°16	0°00	10°16	0°00	0.1811	0	0.1811
2	T	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	M	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	θ	20∞	20.1.0	89 05	"	"	90 00	89 05	0 55	62.7914	∞	"
5	η	16∞	16.1.0	88 51	"	"	"	88 51	1 08	50.2333	"	"
6	ζ	9∞	910	87 58	"	"	"	87 58	2 01	28.2560	"	"
7	ε	4∞	410	85 27	"	"	"	85 27	4 33	12.8508	"	"
8	δ	3/2∞	320	78 01	"	"	"	78 01	11 59	4.7093	"	"
9	h	5/3∞	650	75 08	"	"	"	75 08	14 52	3.7674	"	"
10	N	2/3∞	110	72 20	"	"	"	72 20	17 40	3.1395	"	"
11	Q	∞1/2	9.10.0	70 30	"	"	"	70 30	19 29	2.8256	"	"
12	γ	∞7/4	670	69 37	"	"	"	69 37	20 23	2.6910	"	"
13	l	∞4/3	340	66 59	"	"	"	66 59	23 00	2.3546	"	"
14	β	∞3/2	230	64 28	"	"	"	64 28	25 32	2.0930	"	"
15	a	∞3/2	590	60 10	"	"	"	60 10	29 49	1.7442	"	"
16	s	∞2	120	57 30	"	"	"	57 30	32 30	1.5697	"	"
17	L	∞3	130	45 54	"	"	"	45 54	44 05	1.0465	"	"
18	n	01	011	28 32	20 46	10 16	18 26	9 45	18 09	0.1811	0.3332	0.3792
19	O	01/2	0.11.6	16 31	32 30	"	31 25	8 47	31 01	"	0.6109	0.6371
20	o	02	021	15 12	34 38	"	33 41	8 34	33 15	"	0.6664	0.6906
21	F	01/4	0.11.4	11 11	43 03	"	42 30	7 36	42 02	"	0.9163	0.9340
22	q	03	031	10 16	45 27	"	44 59	7 18	44 31	"	0.9996	1.0158
23	R	04	041	7 44	53 22	"	53 07	6 12	52 40	"	1.3328	1.3451
24	H	06	061	5 10	63 31	"	63 25	4 37	63 03	"	1.9992	2.0073
25	P	-10	101	90 00	40 51	40 51	0 00	40 51	0 00	0.8649	0	0.8649
26	g	-1/20	102	"	18 52	18 52	"	18 52	"	0.3418	"	0.3418
27	z	-1/20	104	"	4 36	4 36	"	4 36	"	0.0804	"	0.0804
28	σ	+1/31	155	49 30	27 10	21 19	18 26	20 19	17 15	0.3902	0.3332	0.5131
29	r	+1	111	74 48	51 49	50 49	"	49 20	11 53	1.2272	"	1.2716
30	μ	-21	211	80 06	62 44	62 22	"	61 07	8 47	1.9110	"	1.9398
31	d	-1	111	68 56	42 49	40 51	"	39 22	14 08	0.8649	"	0.9269
32	λ	+15	151	36 23	64 12	50 49	59 01	32 17	46 27	1.2272	1.6653	2.0686

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varphi$
33	i	+14	141	42° 38'	61° 06'	50° 49'	53° 07'	36° 22'	40° 06'	1'2272	1'3328	1'8117
34	u	+12	121	61° 30'	54° 23'	"	33° 41'	45° 36'	22° 50'	"	0'6664	1'3904
35	v	+1 $\frac{2}{3}$	323	79° 44'	51° 16'	"	12° 31'	50° 09'	7° 59'	"	0'2221	1'2471
36	θ	-12	121	52° 23'	47° 31'	40° 51'	33° 41'	35° 45'	26° 45'	0'8649	0'6664	1'0919
37	f	-13	131	40° 52'	52° 53'	"	44° 59'	31° 27'	37° 05'	"	0'9996	1'3218
38	U	+ $\frac{1}{2}$	332	74° 04'	61° 13'	60° 15'	26° 33'	57° 26'	13° 55'	1'7502	0'4998	1'8201
39	x	-2	221	70° 46'	63° 42'	62° 22'	33° 41'	57° 50'	17° 10'	1'9110	0'6664	2'0238
40	a	- $\frac{1}{2}$	112	64° 01'	20° 49'	18° 52'	9° 27'	18° 38'	8° 57'	0'3419	0'1666	0'3804
41	b	- $\frac{1}{2}2$	142	27° 10'	36° 50'	"	33° 41'	15° 53'	32° 14'	"	0'6664	0'6675
42	c	- $\frac{1}{2}\frac{1}{2}$	152	32° 19'	42° 00'	"	39° 47'	14° 43'	38° 15'	"	0'8330	0'9004
43	D	- $\frac{1}{2}3$	162	18° 53'	46° 34'	"	44° 59'	13° 36'	43° 24'	"	0'9996	1'0504
44	k	- $\frac{1}{2}\frac{1}{4}$	2'13'4	17° 31'	48° 38'	"	47° 17'	13° 03'	45° 42'	"	1'0829	1'1355
45	x	- $\frac{1}{2}4$	182	14° 23'	53° 59'	"	53° 07'	11° 36'	51° 35'	"	1'3328	1'3700
46	A	+ $\frac{1}{2}\frac{1}{2}$	124	69° 22'	25° 18'	23° 52'	9° 27'	23° 35'	8° 40'	0'4426	0'1666	0'4729
47	e	-23	231	62° 23'	65° 07'	62° 22'	44° 59'	53° 30'	24° 52'	1'9110	0'9996	2'1506
48	w	- $\frac{1}{3}\frac{1}{3}$	173	12° 10'	38° 30'	9° 31'	37° 52'	7° 32'	37° 29'	0'1676	0'7775	0'7953
49	Ξ	-12'3	12'3'1	85° 22'	85° 23'	85° 22'	44° 59'	83° 28'	4° 37'	12'351	0'9996	12'391
50	y	-6'10	6'10'1	61° 18'	81° 48'	80° 40'	73° 17'	60° 14'	28° 23'	6'0850	3'3320	6'9377
51	Ψ	- $\frac{1}{3}\frac{2}{3}$	197	4° 14'	23° 15'	1° 49'	23° 11'	1° 40'	23° 11'	0'0318	0'4284	0'4296
52	p	- $\frac{2}{3}\frac{1}{3}$	2'13'5	15° 19'	41° 56'	13° 21'	40° 54'	10° 10'	40° 07'	0'2373	0'8663	0'8982
53	m	- $\frac{2}{3}3$	5'9'3	57° 23'	61° 40'	57° 23'	44° 59'	47° 51'	28° 19'	1'5623	0'9996	1'8547

Eulytin.

Regulär. Tetraedrisch-hemledrisch.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\tan \varphi$
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	— 0° 00'	0° 00' 90° 00'	0° 00' "	0° 00' 90° 00'	0° 00' "	0° 00' 90° 00'	0 "	0 ∞	0 ∞
2	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 011 \\ 110 \end{array} \right.$	" 45° 00'	45° 00' 90° 00'	" 90° 00'	45° 00' 90° 00'	" 45° 00'	45° 00' "	" 1'0000	1'0000 ∞	1'0000 ∞
3	l	$\left\{ \begin{array}{l} +\frac{1}{3} \\ +15 \end{array} \right.$	$\left\{ \begin{array}{l} 115 \\ 151 \end{array} \right.$	" 11° 18'	15° 47' 78° 54'	11° 18' 45° 00'	11° 18' 78° 41'	11° 06' "	11° 06' 74° 12'	0'2000 1'0000	0'2000 5'0000	0'2828 5'0989
4	qq	$\left\{ \begin{array}{l} +\frac{1}{2} \\ -12 \end{array} \right.$	$\left\{ \begin{array}{l} 112 \\ 121 \end{array} \right.$	45° 00' 26° 34'	35° 16' 65° 54'	26° 34' 45° 00'	26° 34' 63° 26'	24° 05' "	24° 05' 54° 44'	0'5000 1'0000	0'5000 2'0000	0'7071 2'2310
5	p	1	111	45° 00'	54° 44'	"	45° 00'	35° 16'	35° 16'	"	1'0000	1'4142

Euxenit.**Rhomboisch.**

$a = 0.364$	$\lg a = 956110$	$\lg a_0 = 007966$	$\lg p_0 = 992034$	$a_0 = 1.2013$	$p_0 = 0.8324$
$c = 0.303$	$\lg c = 948144$	$\lg b_0 = 051856$	$\lg q_0 = 948144$	$b_0 = 3.3003$	$q_0 = 0.3030$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d = $\operatorname{tg} \varrho$
1	b	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	c	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	m	∞	110	70° 00	"	"	90° 00	70° 00	20° 00	2'7472'	∞	"
4	d	20	201	90° 00	59° 00'	59° 00'	0° 00	59° 00'	0° 00	1'6648	0	1'6648
5	p	1	111	70° 00	41° 32'	39° 46'	16° 51'	38° 32'	13° 06'	0'8324	0'3030	0'8859

Fahlerz.**Regulär. Tetraedrisch-hemiedrisch.**

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d = $\operatorname{tg} \varrho$
1	c	$\begin{cases} 0 \\ 00 \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0° 00 \end{cases}$	$\begin{cases} 0° 00 \\ 90° 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90° 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90° 00 \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$
2	a	$\begin{cases} 0\frac{1}{3} \\ 03 \\ \infty 3 \end{cases}$	$\begin{cases} 013 \\ 031 \\ 130 \end{cases}$	$\begin{cases} " \\ " \\ 18\ 26 \end{cases}$	$\begin{cases} 18\ 26 \\ 71\ 34 \\ 90\ 00 \end{cases}$	$\begin{cases} " \\ " \\ 90\ 00 \end{cases}$	$\begin{cases} 18\ 26 \\ 71\ 34 \\ 90\ 00 \end{cases}$	$\begin{cases} " \\ " \\ 18\ 26 \end{cases}$	$\begin{cases} 18\ 26 \\ 71\ 34 \\ " \end{cases}$	$\begin{cases} " \\ " \\ 0'3333 \end{cases}$	$\begin{cases} 0'3333 \\ 3'0000 \\ \infty \end{cases}$	$\begin{cases} 0'3333 \\ 3'0000 \\ \infty \end{cases}$
3	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{cases} 012 \\ 021 \\ 120 \end{cases}$	$\begin{cases} 0\ 00 \\ " \\ 26\ 34 \end{cases}$	$\begin{cases} 26\ 34 \\ 63\ 26 \\ 90\ 00 \end{cases}$	$\begin{cases} 0\ 00 \\ " \\ 90\ 00 \end{cases}$	$\begin{cases} 26\ 34 \\ 63\ 26 \\ 90\ 00 \end{cases}$	$\begin{cases} 0\ 00 \\ " \\ 26\ 34 \end{cases}$	$\begin{cases} 26\ 34 \\ 63\ 26 \\ " \end{cases}$	$\begin{cases} 0 \\ " \\ 0'5000 \end{cases}$	$\begin{cases} 0'5000 \\ 2'0000 \\ \infty \end{cases}$	$\begin{cases} 0'5000 \\ 2'0000 \\ \infty \end{cases}$
4	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} 0\ 00 \\ 45\ 00 \end{cases}$	$\begin{cases} 45\ 00 \\ 90\ 00 \end{cases}$	$\begin{cases} 0\ 00 \\ 90\ 00 \end{cases}$	$\begin{cases} 45\ 00 \\ 90\ 00 \end{cases}$	$\begin{cases} 0\ 00 \\ 45\ 00 \end{cases}$	$\begin{cases} 45\ 00 \\ " \end{cases}$	$\begin{cases} 0 \\ 1'0000 \end{cases}$	$\begin{cases} 1'0000 \\ \infty \end{cases}$	$\begin{cases} 1'0000 \\ \infty \end{cases}$
5	r	$\begin{cases} -\frac{1}{6} \\ -16 \end{cases}$	$\begin{cases} 116 \\ 161 \end{cases}$	$\begin{cases} " \\ 9\ 27' \end{cases}$	$\begin{cases} 13\ 15' \\ 80\ 40 \end{cases}$	$\begin{cases} 9\ 27' \\ 45\ 00 \end{cases}$	$\begin{cases} 9\ 27' \\ 80\ 32 \end{cases}$	$\begin{cases} 9\ 20 \\ " \end{cases}$	$\begin{cases} 9\ 20 \\ 76\ 44 \end{cases}$	$\begin{cases} 0'1667 \\ 1'0000 \end{cases}$	$\begin{cases} 0'1667 \\ 6'0000 \end{cases}$	$\begin{cases} 0'2357 \\ 6'0827 \end{cases}$
6	kk'	$\begin{cases} \pm\frac{1}{4} \\ \pm 14 \end{cases}$	$\begin{cases} 114 \\ 141 \end{cases}$	$\begin{cases} 45\ 00 \\ 14\ 02 \end{cases}$	$\begin{cases} 19\ 28 \\ 76\ 22 \end{cases}$	$\begin{cases} 14\ 02 \\ 45\ 00 \end{cases}$	$\begin{cases} 14\ 02 \\ 75\ 58 \end{cases}$	$\begin{cases} 13\ 38 \\ " \end{cases}$	$\begin{cases} 13\ 38 \\ 70\ 32 \end{cases}$	$\begin{cases} 0'2500 \\ 1'0000 \end{cases}$	$\begin{cases} 0'2500 \\ 4'0000 \end{cases}$	$\begin{cases} 0'3535 \\ 4'1231 \end{cases}$
7	m	$\begin{cases} \pm\frac{1}{3} \\ \pm 13 \end{cases}$	$\begin{cases} 113 \\ 131 \end{cases}$	$\begin{cases} 45\ 00 \\ 18\ 26 \end{cases}$	$\begin{cases} 25\ 14' \\ 72\ 27 \end{cases}$	$\begin{cases} 18\ 26 \\ 45\ 00 \end{cases}$	$\begin{cases} 18\ 26 \\ 71\ 34 \end{cases}$	$\begin{cases} 17\ 33 \\ " \end{cases}$	$\begin{cases} 17\ 33 \\ 64\ 45 \end{cases}$	$\begin{cases} 0'3333 \\ 1'0000 \end{cases}$	$\begin{cases} 0'3333 \\ 3'0000 \end{cases}$	$\begin{cases} 0'4714 \\ 3'1623 \end{cases}$
8	qq'	$\begin{cases} \pm\frac{1}{12} \\ \pm 12 \end{cases}$	$\begin{cases} 112 \\ 121 \end{cases}$	$\begin{cases} 45\ 00 \\ 26\ 34 \end{cases}$	$\begin{cases} 35\ 16 \\ 65\ 54' \end{cases}$	$\begin{cases} 26\ 34 \\ 45\ 00 \end{cases}$	$\begin{cases} 26\ 34 \\ 63\ 26 \end{cases}$	$\begin{cases} 24\ 05' \\ " \end{cases}$	$\begin{cases} 24\ 05' \\ 54\ 44 \end{cases}$	$\begin{cases} 0'5000 \\ 1'0000 \end{cases}$	$\begin{cases} 0'5000 \\ 2'0000 \end{cases}$	$\begin{cases} 0'7071 \\ 2'2360 \end{cases}$
9	A	$\begin{cases} \pm\frac{5}{9} \\ \pm 1\frac{2}{3} \end{cases}$	$\begin{cases} 559 \\ 595 \end{cases}$	$\begin{cases} 45\ 00 \\ 29\ 03' \end{cases}$	$\begin{cases} 38\ 09' \\ 64\ 06 \end{cases}$	$\begin{cases} 29\ 03' \\ 45\ 00 \end{cases}$	$\begin{cases} 29\ 03' \\ 60\ 56' \end{cases}$	$\begin{cases} 25\ 54 \\ " \end{cases}$	$\begin{cases} 25\ 54 \\ 51\ 50' \end{cases}$	$\begin{cases} 0'5556 \\ 1'0000 \end{cases}$	$\begin{cases} 0'5556 \\ 1'8000 \end{cases}$	$\begin{cases} 0'7857 \\ 2'0591 \end{cases}$
10	n	$\begin{cases} \pm\frac{2}{3} \\ \pm 1\frac{1}{2} \end{cases}$	$\begin{cases} 223 \\ 232 \end{cases}$	$\begin{cases} 45\ 00 \\ 33\ 41' \end{cases}$	$\begin{cases} 43\ 19 \\ 60\ 59 \end{cases}$	$\begin{cases} 33\ 41' \\ 45\ 00 \end{cases}$	$\begin{cases} 33\ 41' \\ 56\ 18' \end{cases}$	$\begin{cases} 29\ 01 \\ " \end{cases}$	$\begin{cases} 29\ 01 \\ 46\ 41 \end{cases}$	$\begin{cases} 0'6667 \\ 1'0000 \end{cases}$	$\begin{cases} 0'6667 \\ 1'5000 \end{cases}$	$\begin{cases} 0'9428 \\ 1'8028 \end{cases}$
11	pp'	± 1	111	45° 00	54° 44	"	45° 00	35° 16	35° 16	"	1'0000	1'4142

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tg ϱ
12	B	$\left\{ +\frac{1}{4} 1 \right.$	477	29° 44'	49° 02'	29° 48'	45° 00'	22° 00'	40° 58'	0° 57 14	1' 0000	1' 15 17
		$\left\{ +\frac{1}{4} \right.$	774	45 00	68 00	60 15'	60 15'	40 58	"	1' 7500	1' 7500	2' 47 48
13	u	$\left\{ +\frac{1}{2} 1 \right.$	122	26 34	48 11'	26 34	45 00	19 28	41 48'	0° 5000	1' 0000	1' 11 80
		$\left\{ +\frac{1}{2} \right.$	221	45 00	70 31'	63 26	63 26	41 48'	"	2' 0000	2' 0000	2' 82 84
14	ww	$\left\{ +\frac{2}{3} 1 \right.$	233	33 41'	50 14'	33 41'	45 00	25 14'	39 45'	0° 6667	1' 0000	1' 20 19
		$\left\{ +\frac{2}{3} \right.$	332	45 00	64 45'	56 18'	56 18'	39 45'	"	1' 5000	1' 5000	2' 12 13
15	xx	$\left\{ +\frac{1}{3} \frac{2}{3} \right.$	123	26 34	36 42	18 26	33 41'	15 30	32 18'	0° 3333	0° 6667	0° 74 53
		$\left\{ +\frac{1}{3} \frac{2}{3} \right.$	132	18 26	57 41'	26 34	56 18'	"	53 18	0° 5000	1' 5000	1' 58 11
		$\left\{ +\frac{2}{3} \right.$	231	33 41'	74 30	63 26	71 34	32 18'	"	2' 0000	3' 0000	3' 60 55
16	ω	$\left\{ +\frac{1}{4} \frac{3}{4} \right.$	134	18 26	38 19'	14 02	36 52	11 18'	36 02'	0° 2500	0° 7500	0° 79 06
		$\left\{ +\frac{1}{4} \frac{3}{4} \right.$	143	14 02	53 57'	18 26	53 08	"	51 40'	0° 3333	1' 3333	1' 37 43
		$\left\{ +\frac{3}{4} \right.$	341	36 52	78 41'	71 34	75 58	36 02'	"	3' 0000	4' 0000	5' 00 00
17	I'	$\left\{ -\frac{1}{3} \frac{2}{3} \right.$	125	26 34	24 05'	11 18'	21 48	10 31'	21 25'	0° 2000	0° 4000	0° 44 72
		$\left\{ -\frac{1}{3} \frac{2}{3} \right.$	152	11 18'	68 35	26 34	68 12	"	65 54'	0° 5000	2' 5000	2' 54 05
		$\left\{ -\frac{2}{3} \right.$	251	21 48	79 29	63 26	78 41'	21 25'	"	2' 0000	5' 0000	5' 38 51
18	Θ	$\left\{ -\frac{1}{4} \frac{3}{4} \right.$	136	18 26	27 47'	9 27'	26 34	8 28'	26 15'	0° 1667	0° 5000	0° 52 71
		$\left\{ -\frac{1}{4} \frac{3}{4} \right.$	163	9 27'	63 45	18 26	63 26	"	62 12'	0° 3333	2' 0000	2' 02 76
		$\left\{ -\frac{3}{4} \right.$	361	26 34	81 31'	71 34	80 32	26 15'	"	3' 0000	6' 0000	6' 70 81
19	A'	$\left\{ -\frac{5}{12} \frac{7}{12} \right.$	5' 7" 12	35 32'	35 38	22 37	30 15'	19 47'	28 18	0° 4167	0° 5833	0° 71 69
		$\left\{ -\frac{5}{12} \frac{7}{12} \right.$	5' 12" 7	22 37	61 42	35 32	59 44'	"	54 22	0° 7143	1' 7143	1' 85 71
		$\left\{ -\frac{7}{12} \frac{5}{12} \right.$	7' 12" 5	30 15'	70 12'	54 27'	67 23	28 18	"	1' 4000	2' 4000	2' 77 85

Fairfieldit.

Triklin.

$p_0 = 0.7079$	$\lambda = 78^\circ 33'$	$a = 0.2797$	$\alpha = 102^\circ 09'$	$x_0 = 0.0779$	$d = 0.2132$
$q_0 = 0.2019$	$\mu = 88^\circ 00'$	$b = 1$	$\beta = 94^\circ 33'$	$y_0 = 0.1985$	$\delta = 21^\circ 25'$
$r_0 = 1$	$\nu = 102^\circ 00'$	$c = 0.1976$	$\gamma = 77^\circ 20'$	$h = 0.9770$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = tg ϱ
1	c	0	001	21° 25'	12° 18'	4° 33'	11° 29'	4° 28'	11° 27'	0° 0797	0° 2032	0° 21 83
2	b	00	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	102 00	"	90 00	"	78 00	12 00	4' 7047	"	"
4	o	$\infty 2$	120	69 40	"	"	"	69 40	20 20	2' 6978	"	"
5	n	$\infty \frac{1}{2}$	230	77 33'	"	"	"	77 33'	12 26'	4' 4280	"	"
6	m	∞	110	85 29	"	"	"	85 29	4 31	12' 658	"	"

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
7	g	$\frac{3}{2}\infty$	320	90° 13'	90° 00'	90° 00'	90° 00'	89° 47'	0° 13'	266.31	∞	∞
8	μ	$\infty\infty$	110	116 45'	"	"	90 00'	63 14'	26 45'	1.9834	"	"
9	p	1	111	71 48'	39 41'	38 15'	14 31'	37 21'	11 30'	0.7884	0.2591	0.8299
10	q	$\frac{1}{2}$	112	62 31'	26 36'	23 57'	13 01'	23 24'	11 55'	0.4547	0.2311	0.5008
11	r	$\frac{1}{3}$	113	54 56'	21 06'	17 32'	12 30'	17 08'	11 56'	0.3160	0.2218	0.3860
12	s	14	141	134 28'	47 51'	38 15'	37 44'	31 56'	31 17'	0.7884	0.7741	1.1049

Faujasit.

Regulär.

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	p	1	111	45 00'	54 44'	45 00'	45 00'	35 16'	35 16'	1.0000	1.0000	1.4142

Feldspath-Gruppe

Albit.¹⁾Triklin.¹⁾

Elemente nach Schuster.

$p_0 = 0.9099$	$\lambda = 86^\circ 20'$	$a = 0.6187$	$\alpha = 93^\circ 42'$	$x_0 = 0.4500$	$d = 0.4545$
$q_0 = 0.5035$	$\mu = 63^\circ 12'$	$b = 1$	$\beta = 116^\circ 48'$	$y_0 = 0.0639$	$\delta = 81^\circ 55'$
$r_0 = 1$	$\nu = 89^\circ 11'$	$c = 0.5641$	$\gamma = 89^\circ 04'$	$h = 0.8907$	

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =lg ϱ
1	P	0	001	81° 55'	27° 02'	26° 48'	4° 06'	26° 44'	3° 40'	0.5052	0.0717	0.5103
2	M	$\infty\infty$	010	0 00'	90 00'	0 00'	90 00'	0 00'	90 00'	0	∞	∞
3	ζ	$\infty 5$	150	19 46'	"	90 00'	"	19 46'	70 13'	0.3595	"	"
4	f	$\infty 3$	130	30 51'	"	"	"	30 51'	59 09'	0.5972	"	"
5	μ	$\infty \frac{3}{2}$	450	54 46'	"	"	"	54 46'	35 13'	1.4163	"	"
6	T	∞	110	60 25'	"	"	"	60 25'	29 35'	1.7615	"	"
7	l	$\infty\infty$	110	118 20'	"	"	"	61 40'	28 20'	1.8549	"	"
8	ν	$\infty \frac{3}{2}$	450	124 07'	"	"	"	55 53'	34 07'	1.4760	"	"

¹⁾ Albit Winkeltabelle mit Brezinas Elementen siehe folgende Seite. Vgl. Bemerkungen.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
9	z	$\infty 3$	130	148° 43'	90° 00'	90° 00'	90° 00'	31 17	58 43	0.6076	∞	∞
10	e	02	021	22 47'	52 31'	26 48'	50 15'	17 54	47 01	0.5052	1.2023	1.3041
11	n	02	021	154 29'	49 33'	"	46 38'	19 08	43 23	"	1.0588	1.1732
12	ε	$\frac{4}{3} 0$	403	87 12'	61 51'	61 49'	5 12'	61 44	2 28	1.8671	0.0912	1.8694
13	x	$\frac{1}{10}$	101	83 41'	27 26'	27 18'	3 16'	27 16	2 54'	0.5162	0.0571	0.5144
14	r	$\frac{1}{3} 0$	403	86 30'	40 38'	40 35'	2 59'	40 33	2 16'	0.8567	0.0523	0.8582
15	y	20	201	88 25'	56 58'	56 57'	2 26'	56 56	1 19'	1.5377	0.0425	1.5382
16	ψ	$\frac{5}{2} \frac{3}{2}$	552	113 06'	73 16'	71 54'	52 32'	61 44'	22 04'	3.0588	1.3049	3.3255
17	γ	$\frac{1}{2} \frac{1}{2}$	112	0 54'	19 08'	0 19'	19 08'	0 18'	19 08'	0.0055	0.3471	0.3471
18	p	11	111	39 40'	38 57'	27 18'	31 54'	23 40'	28 56'	0.5162	0.6224	0.8086
19	Δ	$\frac{1}{3} \frac{4}{3}$	443	46 45'	49 38'	40 35'	38 52'	33 42'	31 28'	0.8567	0.8060	1.1763
20	g	22	221	52 39'	62 39'	56 57'	49 33'	44 55'	32 36'	1.5377	1.1731	1.9340
21	δ	$\frac{1}{2} 1$	112	178 33'	12 19'	0 19'	12 18'	0 18'	12 18'	0.0055	0.2182	0.2183
22	o	$\frac{1}{3} 1$	111	134 33'	35 55'	27 18'	26 56'	24 43'	24 18'	0.5162	0.5081	0.7243
23	π	$\frac{1}{3} 1$	665	130 54'	43 37'	35 46'	31 58'	31 26'	26 51'	0.7205	0.6241	0.9532
24	σ	$\frac{1}{3} 1$	443	129 18'	47 54'	40 35'	35 02'	35 03'	28 02'	0.8567	0.7013	1.1072
25	λ	$\frac{1}{3} 1$	332	127 51'	52 26'	45 45'	38 35'	38 45'	29 06'	1.0269	0.7981	1.3006
26	u	2	221	125 17'	62 02'	56 58'	47 25'	46 08'	30 40'	1.5377	1.0880	1.8836
27	τ	$\frac{1}{2} 1$	132	179 36'	38 04'	0 19'	38 04'	0 15'	38 04'	0.0055	0.7835	0.7835

Feldspath-Gruppe Albit.¹⁾

Triklin.

Elemente nach Brezina.

$p_0 = 0.8750$	$\lambda = 86^\circ 19'$	$a = 0.6366$	$\alpha = 94^\circ 15'$	$x_0 = 0.4497$	$d = 0.4543$
$q_0 = 0.4987$	$\mu = 63^\circ 18'$	$b = 1$	$\beta = 116^\circ 47'$	$y_0 = 0.0643$	$\delta = 81^\circ 52'$
$r_0 = 1$	$\nu = 90^\circ 15'$	$c = 0.5582$	$\gamma = 87^\circ 52'$	$h = 0.8909$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
1	P	0	001	81° 51'	27° 01'	26° 47'	4° 07'	26° 43'	3° 40'	0.5048	0.0722	0.5044
2	M	$\infty \infty$	010	0 00'	90 00'	0 00'	90 00'	0 00'	90 00'	0	∞	∞
3	ζ	$\infty 5$	150	19 22'	"	90 00'	"	19 22'	70 38'	0.3515	"	"
4	f	$\infty 3$	130	30 23'	"	"	"	30 23'	59 37'	0.5862	"	"
5	μ	$\infty \frac{3}{4}$	450	54 42'	"	"	"	54 42'	35 17'	1.4123	"	"
6	T	∞	110	60 30'	"	"	"	60 30'	29 29'	1.7681	"	"
7	l	$\infty \infty$	110	119 52'	"	"	"	60 08'	29 52'	1.7413	"	"
8	ν	$\infty \frac{3}{4}$	450	125 38'	"	"	"	54 22'	35 38'	1.3951	"	"
9	z	$\infty 3$	130	149 44'	"	"	"	30 15'	59 44'	0.5834	"	"

1) Albit Winkeltabelle mit Schusters Elementen siehe vorhergehende Seite. Vgl. Bemerkungen.

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\operatorname{tg} \varrho$
10	e	02	021	22° 57'	52° 18'	26° 47'	50° 00'	17° 58'	46° 46'	0° 5048	1° 1917	1° 2942
11	n	02	021	154 16	49 18	"	46 19	19 13	43 04	"	1° 0474	1° 1627
12	ε	40	403	87 54	61 09	61 08	3 48	61 05	1 50	1° 8144	0° 0664	1° 8154
13	x	10	101	80 54	64 12	25 31	4 22	25 27	3 57	0° 4774	0° 0764	0° 4835
14	r	10	403	84 28	38 57	38 49	4 27	38 44	3 28	0° 8048	0° 0779	0° 8086
15	y	20	201	86 50	55 37	55 35	4 37	55 30	2 36	1° 4595	0° 0807	1° 4618
16	ψ	$\frac{5}{2} \frac{2}{1}$	552	114 19	72 53	71 20	53 13	60 33	23 11	2° 9602	1° 3380	3° 2485
17	γ	$\frac{1}{2} \frac{1}{2}$	112	2 13	19 31	0 47	19 30	0 44	19 30	0° 0137	0° 3542	0° 3545
18	p	11	111	36 53	38 30	25 31	32 28	21 56	29 51	0° 4774	0° 6217	0° 7954
19	Δ	$\frac{1}{2} \frac{4}{3}$	443	44 19	49 02	38 49	39 30	31 50	32 42	0° 8048	0° 8242	1° 1520
20	g	22	221	50 34	62 07	55 35	50 12	43 03	34 09	1° 4595	1° 2003	1° 8897
21	δ	$\frac{1}{2}$	112	176 11	11 38	0 47	11 37	0 46	11 37	0° 0137	0° 2055	2° 0604
22	o	1	111	135 21	34 11	25 31	25 48	23 15	23 34	0° 4774	0° 4833	0° 6793
23	π	$\frac{1}{2} \frac{1}{2}$	665	131 25	41 56	33 58	30 44	30 05	26 14	0° 6739	0° 5945	0° 8987
24	σ	$\frac{1}{2} \frac{1}{2}$	443	129 42	46 17	38 49	33 45	33 47	27 30	0° 8048	0° 6684	1° 0462
25	λ	$\frac{1}{2} \frac{1}{2}$	332	128 10	50 55	44 05	37 16	37 37	28 40	0° 9685	0° 7611	1° 2317
26	u	2	221	125 26	60 50	55 35	46 05	45 21	30 25	1° 4595	1° 0389	1° 7915
27	τ	$\frac{1}{2} \frac{1}{2}$	132	178 58	37 26	0 47	37 26	0 37	37 25	0° 0137	0° 7654	0° 7655

Feldspath-Gruppe

Anorthit.

Triklin.

$p_0 = 0.8655$	$\lambda = 85^\circ 50$	$a = 0.6347$	$\alpha = 93^\circ 13$	$x_0 = 0.4362$	$d = 0.4422$
$q_0 = 0.4948$	$\mu = 63^\circ 56$	$b = 1$	$\beta = 115^\circ 56$	$y_0 = 0.0726$	$\delta = 80^\circ 33$
$r_0 = 1$	$\gamma = 87^\circ 06$	$c = 0.5504$	$\gamma = 91^\circ 12$	$h = 0.8969$	

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\operatorname{tg} \varrho$
1	P	0	001	80° 33	26° 14	25° 56	4° 37	25° 52	4° 10	0° 4863	0° 0809	0° 4930
2	M	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	h	∞0	100	87 06	"	90 00	"	87 06	2 54	19° 740	"	"
4	l	∞	110	58 04	"	"	"	58 04	31 56	1° 6046	"	"
5	γ	∞2	120	39 54	"	"	"	39 54	50 05	0° 8364	"	"
6	f	∞3	130	29 29	"	"	"	29 29	60 30	0° 5656	"	"
7	T	∞∞	110	117 33	"	"	90 00	62 27	27 33	1° 9171	"	"
8	ζ	∞3	120	137 34	"	"	"	42 26	47 34	0° 9141	"	"
9	z	∞3	130	149 02	"	"	"	30 58	59 02	0° 6001	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
10	A	08	081	6° 09'	77° 33'	25° 56'	77° 29'	6° 01'	76° 08'	0.4863	4.5045	4.5305
11	r	06	061	8° 09'	73° 43'	"	73° 34'	7° 50'	71° 50'	"	3.3911	3.4258
12	e	02	021	22° 19'	52° 00'	"	49° 49'	17° 25'	46° 48'	"	1.1843	1.2803
13	Θ	0 $\frac{2}{3}$	023	47° 18'	33° 29'	"	24° 10'	23° 55'	21° 58'	"	0.4487	0.6018
14	γ	0 $\frac{1}{3}$	013	61° 26'	28° 58'	"	14° 50'	25° 11'	13° 23'	"	0.2648	0.5538
15	B	0 $\frac{1}{3}$	013	101° 57'	26° 26'	"	5° 52'	25° 49'	5° 17'	"	0.1029	0.4971
16	k	0 $\frac{2}{3}$	023	120° 32'	29° 27'	"	16° 00'	25° 03'	14° 27'	"	0.2868	0.5647
17	n	02	021	154° 33'	48° 33'	"	45° 38'	18° 50'	42° 36'	"	1.0224	1.1322
18	C	03	031	162° 50'	58° 44'	"	57° 34'	14° 37'	54° 45'	"	1.5741	1.6475
19	θ	04	041	167° 07'	65° 22'	"	64° 48'	11° 42'	62° 23'	"	2.1258	2.1800
20	c	06	061	171° 26'	72° 58'	"	72° 47'	8° 11'	71° 00'	"	3.2291	3.2656
21	t	20	201	85° 46'	67° 33'	67° 30'	10° 07'	67° 10'	3° 54'	2.4139	0.1786	2.4205
22	D	20	207	82° 54'	37° 30'	37° 18'	5° 25'	37° 10'	4° 19'	0.7617	0.0948	0.7676
23	q	20	203	72° 47'	9° 17'	8° 52'	2° 46'	8° 52'	2° 44'	0.1562	0.0495	0.1635
24	E	20	304	79° 22'	13° 31'	13° 18'	2° 32'	13° 17'	2° 28'	0.2364	0.0443	0.2400
25	x	10	101	86° 09'	25° 34'	25° 31'	1° 50'	25° 30'	1° 39'	0.4774	0.0321	0.4785
26	y	20	201	89° 20'	55° 15'	55° 14'	0° 57'	55° 14'	0° 33'	1.4412	0.0167	1.4413
27	m	1	111	64° 50'	58° 02'	55° 24'	34° 16'	50° 09'	21° 09'	1.4501	0.6814	1.6023
28	a	11	111	106° 13'	56° 29'	"	22° 52'	53° 11'	13° 28'	"	0.4219	1.5102
29	ρ	13	131	136° 27'	64° 35'	"	56° 45'	38° 29'	40° 53'	"	1.5253	2.1040
30	p	11	111	39° 16'	37° 01'	25° 31'	30° 16'	22° 24'	27° 47'	0.4774	0.5838	0.7542
31	o	1	111	137° 25'	35° 12'	"	27° 27'	22° 57'	25° 07'	"	0.5195	0.7056
32	π	13	131	163° 36'	59° 24'	"	58° 21'	14° 03'	55° 40'	"	1.6229	1.6917
33	β	24	241	45° 20'	73° 35'	67° 30'	67° 15'	43° 01'	42° 23'	2.4139	2.3853	3.3936
34	b	24	241	130° 12'	72° 24'	"	63° 45'	46° 52'	37° 49'	"	1.0281	3.1528
35	w	24	241	33° 21'	69° 07'	55° 14'	65° 27'	30° 54'	51° 18'	1.4412	2.1901	2.6217
36	g	22	221	52° 59'	61° 00'	"	47° 22'	44° 18'	31° 46'	"	1.0805	1.8049
37	u	2	221	127° 51'	61° 17'	"	48° 14'	43° 49'	32° 33'	"	1.1201	1.8253
38	v	24	241	147° 03'	69° 19'	"	65° 17'	30° 35'	51° 44'	"	2.2234	2.6497
39	μ	42	421	73° 38'	74° 06'	73° 28'	44° 41'	67° 20'	15° 43'	3.3688	0.9889	3.5100
40	d	42	421	109° 52'	74° 24'	"	50° 36'	64° 56'	19° 07'	"	1.2178	3.5820
41	δ	1 $\frac{2}{3}$	112	178° 50'	12° 22'	0° 15'	12° 22'	0° 15'	12° 22'	0.0044	0.2193	0.2194
42	s	1 $\frac{2}{3}$	423	64° 20'	41° 32'	38° 36'	20° 59'	36° 42'	16° 41'	0.7986	0.3836	0.8800
43	i	1 $\frac{2}{3}$	423	113° 47'	41° 07'	"	19° 23'	36° 59'	15° 22'	"	0.3520	0.8728

Feldspath-Gruppe Hyalophan.

Monoklin.

$a = 0.6584$	$lg a = 981849$	$lg a_o = 007718$	$lg p_o = 992282$	$a_o = 1.1945$	$p_o = 0.8372$
$c = 0.5512$	$lg c = 974131$	$lg b_o = 025869$	$lg q_o = 969650$	$b_o = 1.8142$	$q_o = 0.4972$
$\mu_{180} = \beta \left. \begin{array}{l} \\ \end{array} \right\} 64^\circ 25'$	$lg h = \left. \begin{array}{l} \\ \end{array} \right\} 995519$	$lg e = \left. \begin{array}{l} \\ \end{array} \right\} 963531$	$lg \frac{p_o}{q_o} = 022632$	$h = 0.9020$	$e = 0.4318$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x' (Prismen) (x : y)	y'	d' = $tg \varrho$
1	P	o	001	90° 00	25° 35	25° 35	0° 00	25° 35	0° 00	0.4787	o	0.4787
2	M	o ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	o	∞	∞
3	k	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	o	"
4	T	$\infty 2$	110	59 18	"	"	90 00	59 18	30 42	1.6839	∞	"
5	z	$\infty 3$	130	29 18	"	"	"	29 18	60 41	0.5613	"	"
6	F	$-\frac{1}{2} 0$	102	90 00	0 46	0 46	0 00	0 46	0 00	0.0135	o	0.0135
7	x	$-\frac{1}{10}$	101	"	24 12	24 12	"	24 12	"	0.4494	"	0.4494
8	ω	$-\frac{3}{2} 0$	302	"	42 25	42 25	"	42 25	"	0.9135	"	0.9135
9	o	-1	111	39 11	35 25	24 12	28 52	21 29	26 41	0.4494	0.5512	0.7112
10	ψ	-14	141	11 31	66 02	"	65 36	10 31	63 33	"	2.2048	2.2501

Feldspath-Gruppe Orthoklas.

Monoklin.

$a = 0.6585$	$lg a = 981856$	$lg a_o = 007395$	$lg p_o = 992605$	$a_o = 1.1856$	$p_o = 0.8434$
$c = 0.5554$	$lg c = 974461$	$lg b_o = 025539$	$lg q_o = 969809$	$b_o = 1.8005$	$q_o = 0.4990$
$\mu_{180} = \beta \left. \begin{array}{l} \\ \end{array} \right\} 63^\circ 57'$	$lg h = \left. \begin{array}{l} \\ \end{array} \right\} 995348$	$lg e = \left. \begin{array}{l} \\ \end{array} \right\} 964262$	$lg \frac{p_o}{q_o} = 022796$	$h = 0.8984$	$e = 0.4392$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x' (Prismen) (x : y)	y'	d' = $tg \varrho$
1	P	o	001	90° 00	26° 03	26° 03	0° 00	26° 03	0° 00	0.4888	o	0.4888
2	M	o ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	o	∞	∞
3	k	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	o	"
4	ζ	$\infty 2$	210	73 31	"	"	90 00	73 31	16 28	3.3884	∞	"
5	T	∞	110	59 23	"	"	"	59 23	30 36	1.6902	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
6	L	$\infty 2$	120	40° 12'	90° 00'	90° 00'	90° 00'	40° 12'	49° 48'	0° 8451'	∞	∞
7	z	$\infty 3$	130	29 24	"	"	"	29 24	60 36	0° 5634'	"	"
8	p	$\infty 9$	190	10 38	"	"	"	10 38	79 22	0° 1878	"	"
9	h	$0 \frac{2}{3}$	023	52 51'	31 31'	26 03'	20 19'	24 37'	18 24'	0° 4888	0° 3703	0° 6132
10	n	02	021	23 45	50 31'	"	47 03'	18 06'	44 56'	"	1° 1108	1° 2136
11	i	06	061	8 21	73 28	"	73 18	8 00	71 32	"	3° 3324	3° 3681
12	B	$+\frac{5}{10}$	501	90 00	79 06	79 06	0 00	79 06	0 00	5° 1826	0	5° 1826
13	t	$+\frac{2}{10}$	201	"	67 05'	67 05'	"	67 05'	"	2° 3663'	"	2° 3663'
14	q	$-\frac{2}{10}$	203	90 00	7 48	7 48	"	7 48	"	0° 1370	"	0° 1370
15	C	$-\frac{2}{10}$	506	"	16 21	16 21	"	16 21	"	0° 2934	"	0° 2934
16	x	$-\frac{1}{10}$	101	"	24 13'	24 13'	"	24 13'	"	0° 4499	"	0° 4499
17	\emptyset	$-\frac{2}{10}$	908	"	29 34	29 34	"	29 34	"	0° 5672	"	0° 5672
18	l	$-\frac{7}{10}$	706	"	31 14'	31 14'	"	31 14'	"	0° 6063	"	0° 6063
19	Ω	$-\frac{2}{10}$	504	"	34 23'	34 23'	"	34 23'	"	0° 6845	"	0° 6845
20	r	$-\frac{4}{10}$	403	"	37 20	37 20	"	37 20	"	0° 7627	"	0° 7627
21	y	-20	201	"	54 14'	54 14'	"	54 14'	"	1° 3886	"	1° 3886
22	H	-30	301	"	66 45	66 45	"	66 45	"	2° 3274	"	2° 3274
23	m	$+1$	111	68 44'	56 52	54 59'	29 03'	51 18	17 40'	1° 4276	0° 5554	1° 5318
24	g	$-\frac{1}{2}$	112	4 01	15 33'	1 07'	15 31'	1 03'	15 31'	0° 0195	0° 2777	0° 2784
25	o	$-\frac{1}{2}$	111	39 00'	35 33'	24 13'	29 03'	21 28	26 52'	0° 4499	0° 5554	0° 7148
26	σ	$-\frac{4}{3}$	443	45 51	46 45	37 20	36 31'	31 30'	30 29'	0° 7628	0° 7405	1° 0632
27	u	-2	221	51 20'	60 39	54 14'	48 00	42 54	32 59'	1° 3886	1° 1108	1° 7783
28	s	-13	113	15 06'	59 55	24 13'	59 02	13 02	56 39	0° 4499	1° 6662	1° 7254
29	d	$+24$	241	46 48'	72 52'	67 05'	65 46	44 10	40 51'	2° 3664	2° 2216	3° 2458
30	v	-24	241	32 00'	69 06'	54 14'	"	29 41	52 24	1° 3886	"	2° 6109
31	e	-26	261	22 37'	74 31'	"	73 18	21 45'	62 49'	"	3° 3324	3° 6102
32	A	$-\frac{10}{9}$	10° 1' 9"	83 39	29 09	29 00	3 32	28 57	3 05'	0° 5542	0° 0617	0° 5576
33	D	-98	981	60 50	83 44'	82 50'	77 19	60 13'	28 59	7° 9600	4° 4432	9° 1162
34	?b	$-12' 10"$	12° 10' 1"	62 45'	85 17'	84 42	79 47'	62 23	27 08'	10° 7870	5° 5540	12° 133

Fergusonit.

Tetragonal. Pyramidal-hemiedrisch.

$$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 1.4641 \quad \lg c = 0.16557 \quad \lg a_0 = 0.83443 \quad a_0 = 0.6830$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	i	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	r	$\infty \frac{3}{2}$	230	33° 41'	90 00	90 00	90 00	33 41'	56 18'	0° 6667	∞	∞
3	s	1	111	45 00	64 13	55 40	55 40	39 33	39 33	1° 4640	1° 4640	2° 0704
4	z	23	231	33 41'	79 16'	71 08'	77 10'	33 01'	54 50	2° 4280	4° 3920	5° 2785

Ferronatrit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 0.5528$	$\lg c = 974257$	$\lg a_0 = 049599$	$\lg p_0 = 956648$	$a_0 = 3.1332$	$p_0 = 0.3685$	(G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tge
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	M	$\infty 0$	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	s	$+\frac{1}{2}$	1122	"	17 42	9 04	15 27	8 44	15 16	0.1596	0.2764	0.3191
5	R r	± 1	1121	"	32 33	17 42	28 56	15 36	27 46	0.3191	0.5527	0.6383

Feuerblende.

Rhombsch.

$a = 0.5024$	$\lg a = 970105$	$\lg a_0 = 985305$	$\lg p_0 = 014695$	$a_0 = 0.7129$	$p_0 = 1.4026$
$c = 0.7047$	$\lg c = 984800$	$\lg b_0 = 015200$	$\lg q_0 = 984800$	$b_0 = 1.4191$	$q_0 = 0.7047$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tge
1	b	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	c	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	d	∞	110	63 19'	"	"	90 00	63 19'	26 40'	1.9904	∞	"
5	δ	01	011	0 00	35 10'	0 00	35 10'	0 00	35 10'	0	0.7047	0.7047
6	s	02	021	"	54 38'	"	54 38'	"	54 38'	"	1.4094	1.4094
7	m	04	041	"	70 28	"	70 28	"	70 28	"	2.8187	2.8187
8	o	$\frac{4}{3}$	449	63 19'	34 54	31 56	17 23'	30 45	14 53	0.6234	0.3132	0.6977
9	p	1	111	"	57 30	54 01	35 10'	48 54	22 15	1.4026	0.7047	1.5697
10	π	2	221	"	72 20	70 23	54 38'	58 22	25 19'	2.8053	1.4094	3.1394

Fichtelit.

Monoklin.

$a = 1.415$	$\lg a = 0.15076$	$\lg a_0 = 991171$	$\lg p_0 = 0.08829$	$a_0 = 0.8160$	$p_0 = 1.2257$
$c = 1.734$	$\lg c = 0.23905$	$\lg b_0 = 976095$	$\lg q_0 = 0.14140$	$b_0 = 0.5767$	$q_0 = 1.3848$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 53^\circ 00'$	$\lg h = \left. \begin{matrix} 990235 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 977946 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg p_0 = 994689$	$h = 0.7987$	$e = 0.6018$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg e$
1	p	o	001	90° 00'	37° 00'	37° 00'	0° 00'	37° 00'	0° 00'	0.7535	o	0.7535
2	o	~o	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	m	∞	110	41 30'	"	"	90 00	41 30'	48 29'	0.8849	∞	"
4	i	+10	101	90 00	66 23'	66 23'	0 00	66 23'	0 00	2.2882	o	2.2882

Fiedlerit.

Monoklin.

$a = 0.6554$	$\lg a = 981651$	$\lg a_0 = 986639$	$\lg p_0 = 0.13361$	$a_0 = 0.7021$	$p_0 = 1.3602$
$c = 0.8915$	$\lg c = 995012$	$\lg b_0 = 0.04988$	$\lg q_0 = 993942$	$b_0 = 1.1217$	$q_0 = 0.8698$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 77^\circ 20'$	$\lg h = \left. \begin{matrix} 998930 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 934100 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg p_0 = 0.19419$	$h = 0.9757$	$e = 0.2193$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg e$
1	c	o	001	90° 00'	12° 40'	12° 40'	0° 00'	12° 40'	0° 00'	0.2247	o	0.2247
2	a	∞	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	n	∞	110	57 24	"	"	90 00	57 24	32 36	1.5637	∞	"
4	m	$\infty \frac{2}{3}$	450	51 22	"	"	"	51 22	38 38	1.2510	"	"
5	y	$-\frac{4}{3}o$	403	90 00	58 32	58 32	0 00	58 32	0 00	1.6340	o	1.6340
6	x	$-\frac{2}{3}o$	203	"	35 10	35 10	"	35 10	"	0.7046	"	0.7046
7	e	$+\frac{1}{6}i$	166	27 09	45 03	24 34	41 43	18 50	39 02	0.4571	0.8915	1.0019
8	i	$+\frac{1}{4}i$	477	48 53	53 35	45 36	"	37 19	31 57	1.0214	"	1.3557
9	o	$+\frac{4}{3}i$	455	56 22	58 09	53 16	"	45 00	28 04	1.3401	"	1.6095
10	u	$+\frac{1}{3}i$	111	61 09	61 35	58 18	"	50 23	25 06	1.6189	"	1.8482
11	p	$-\frac{1}{3}i$	133	15 04	42 43	13 29	"	10 19	40 55	0.2399	"	0.9232

Fillowit.**Monoklin.**

$a = 1.7303$	$\lg a = 0.23812$	$\lg a_0 = 0.08614$	$\lg p_0 = 9.91386$	$a_0 = 1.2194$	$p_0 = 0.8201$
$c = 1.4190$	$\lg c = 0.15198$	$\lg b_0 = 9.34802$	$\lg q_0 = 0.15198$	$b_0 = 0.7047$	$q_0 = 1.4190$
$\mu = \left. \begin{array}{l} 89^\circ 51' \\ 180 - \beta \end{array} \right\}$	$\lg h = \left. \begin{array}{l} \\ \lg \sin \mu \end{array} \right\} 0$	$\lg e = \left. \begin{array}{l} \\ \lg \cos \mu \end{array} \right\} 7.46373$	$\lg p_0 = 9.76188$	$h = 1$	$e = 0.0029$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = tge
1	c	o	001	90° 00	0° 09	0° 09	0° 00	0° 09	0° 00	0.0029	o	0.0029
2	d	+ 20	201	"	58 40	58 40	"	58 40	"	1.6430	"	1.6430
3	p	- 1	111	29 56	58 35	39 15	54 49	25 12	47 41	0.8172	1.4190	1.6375

Fischerit.**Rhombsch.**

$$\lg \frac{p_0}{q_0} = 0.22582; \quad \frac{p_0}{q_0} = 1.682; \quad \frac{a}{b} = 0.594$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	b	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	t	o ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	59 16	"	90 00	"	59 16	30 44	1.6820	"	"
4	g	$\infty 2$	120	40 04	"	"	"	40 04	49 56	0.8410	"	"

Flinkit.**Rhombsch.**

$a = 0.4131$	$\lg a = 9.61606$	$\lg a_0 = 9.74765$	$\lg p_0 = 0.25235$	$a_0 = 0.5593$	$p_0 = 1.7879$
$c = 0.7386$	$\lg c = 9.86841$	$\lg b_0 = 0.13159$	$\lg q_0 = 9.86841$	$b_0 = 1.3539$	$q_0 = 0.7386$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	a	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	b	o ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	l	∞	110	67 33	"	90 00	"	67 33	22 27	2.4207	"	"
4	e	10	101	90 00	60 47	60 47	0 00	60 47	0 00	1.7879	o	1.7879
5	k	1	111	67 33	62 40	"	36 27	55 11	19 49	"	0.7386	1.9345

Fluellit.**Rhomblisch.**

$a = 0.770$	$\lg a = 988649$	$\lg a_0 = 961372$	$\lg p_0 = 038628$	$a_0 = 0.4109$	$p_0 = 2.434$
$c = 1.874$	$\lg c = 027277$	$\lg b_0 = 972723$	$\lg q_0 = 027277$	$b_0 = 0.5336$	$q_0 = 1.874$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	r	1	111	52 24	71 58	68 00	61 55	48 53	35 27	2.4338	1.8740	3.0716

Fluocerit.**Hexagonal.**

$c = 2.6804$	$\lg c = 042820$	$\lg a_0 = 981036$	$\lg p_0 = 025211$	$a_0 = 0.6462$	$p_0 = 1.7870$	(G ₁)
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No.	Buchstaben	Symb. Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	o	0	0001	—	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	$\infty 0$	1010	0° 00	90 00	"	90 00	"	90 00	"	∞
3	p	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"
4	n	10	1011	0 00	60 46	0 00	60 46	0 00	60 46	0	1.7870
5	r	$\frac{1}{2}$	1122	30 00	57 08	37 44	53 16	24 50	46 40	0.7738	1.3402

Flufsspath.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0 100	001 010	— 0° 00	0° 00 90 00	0° 00 "	0° 00 90 00	0° 00 "	0° 00 90 00	0 "	0 ∞	0 ∞
2	C	0 $\frac{1}{2}$ 06 $\infty 6$	016 061 160	" " 9 27	9 27 80 32 90 00	" " 90 00	9 27 80 32 90 00	" " 9 27	9 27 80 32 "	" " 0.1667	0.1667 6.0000 ∞	0.1667 6.0000 ∞
3	e	0 $\frac{1}{2}$ 05 $\infty 5$	015 051 150	0 00 " 11 18	11 18 78 41 90 00	0 00 " 90 00	11 18 78 41 90 00	0 00 " 11 18	11 18 78 41 "	0 " 0.2000	0.2000 5.0000 ∞	0.2000 5.0000 ∞

N.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
4	A	$\left\{ \begin{array}{l} 0\frac{2}{3} \\ 0\frac{2}{3} \\ \infty\frac{2}{3} \end{array} \right\}$	029	0° 00	12° 31'	0° 00	12° 31'	0° 00	12° 31'	0	0'2222	0'2222
			092	"	77 28'	"	77 28'	"	77 28'	"	4'5000	4'5000
			290	12 31'	90 00	90 00	90 00	12 31'	"	0'2222	∞	∞
5	f	$\left\{ \begin{array}{l} 0\frac{1}{4} \\ 0\frac{1}{4} \\ \infty\frac{1}{4} \end{array} \right\}$	014	0 00	14 02	0 00	14 02	0 00	14 02	0	0'2500	0'2500
			041	"	75 58	"	75 58	"	75 58	"	4'0000	4'0000
			140	14 02	90 00	90 00	90 00	14 02	"	0'2500	∞	∞
6	a	$\left\{ \begin{array}{l} 0\frac{1}{3} \\ 0\frac{1}{3} \\ \infty\frac{1}{3} \end{array} \right\}$	013	0 00	18 26	0 00	18 26	0 00	18 26	0	0'3333	0'3333
			031	"	71 34	"	71 34	"	71 34	"	3'0000	3'0000
			130	18 26	90 00	90 00	90 00	18 26	"	0'3333	∞	∞
7	g	$\left\{ \begin{array}{l} 0\frac{2}{3} \\ 0\frac{2}{3} \\ \infty\frac{2}{3} \end{array} \right\}$	025	0 00	21 48	0 00	21 48	0 00	21 48	0	0'4000	0'4000
			052	"	68 12	"	68 12	"	68 12	"	2'5000	2'5000
			250	21 48	90 00	90 00	90 00	21 48	"	0'4000	∞	∞
8	B	$\left\{ \begin{array}{l} 0\frac{3}{7} \\ 0\frac{3}{7} \\ \infty\frac{3}{7} \end{array} \right\}$	037	0 00	23 12	0 00	23 12	0 00	23 12	0	0'4286	0'4286
			073	"	66 48	"	66 48	"	66 48	"	2'3333	2'3333
			370	23 12	90 00	90 00	90 00	23 12	"	0'4286	∞	∞
9	e	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 0\frac{1}{2} \\ \infty\frac{1}{2} \end{array} \right\}$	012	0 00	26 34	0 00	26 34	0 00	26 34	0	0'5000	0'5000
			021	"	63 26	"	63 26	"	63 26	"	2'0000	2'0000
			120	26 34	90 00	90 00	90 00	26 34	"	0'5000	∞	∞
10	l	$\left\{ \begin{array}{l} 0\frac{3}{5} \\ 0\frac{3}{5} \\ \infty\frac{3}{5} \end{array} \right\}$	035	0 00	30 58	0 00	30 58	0 00	30 58	0	0'6000	0'6000
			053	"	59 02	"	59 02	"	59 02	"	1'6667	1'6667
			350	30 58	90 00	90 00	90 00	30 58	"	0'6000	∞	∞
11	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right\}$	011	0 00	45 00	0 00	45 00	0 00	45 00	0	1'0000	1'0000
			110	45 00	90 00	90 00	90 00	45 00	"	1'0000	∞	∞
12	v	$\left\{ \begin{array}{l} 1\frac{1}{12} \\ 1\frac{1}{12} \end{array} \right\}$	1'1'12	"	6 43'	4 45'	4 45'	4 45'	4 45'	0'0833	0'0833	0'1179
			1'12'1	4 46	85 15	45 00	85 14	"	83 17	1'0000	12'000	12'041
13	D	$\left\{ \begin{array}{l} 1 \\ 18 \end{array} \right\}$	118	45 00	10 01'	7 07'	7 07'	7 04'	7 04'	0'1250	0'1250	0'1768
			181	7 07'	82 56	45 00	82 52'	"	79 59	1'0000	8'0000	8'0622
14	k	$\left\{ \begin{array}{l} 1 \\ 14 \end{array} \right\}$	114	45 00	19 28	14 02	14 02	13 38	13 38	0'2500	0'2500	0'3535
			141	14 02	76 22	45 00	75 58	"	70 32	1'0000	4'0000	4'1231
15	λ	$\left\{ \begin{array}{l} 7 \\ 1\frac{1}{2} \end{array} \right\}$	227	45 00	22 00	15 57	15 57	15 21'	15 21'	0'2857	0'2857	0'4041
			272	15 56'	74 38'	45 00	74 03'	"	68 00	1'0000	3'5000	3'6401
16	m	$\left\{ \begin{array}{l} 1 \\ 13 \end{array} \right\}$	113	45 00	25 14'	18 26	18 26	17 33	17 33	0'3333	0'3333	0'4714
			131	18 26	72 27	45 00	71 34	"	64 45'	1'0000	3'0000	3'1623
17	M	$\left\{ \begin{array}{l} 3 \\ 1\frac{1}{3} \end{array} \right\}$	338	45 00	27 56'	20 33'	20 33'	19 21	19 21	0'3750	0'3750	0'5303
			383	20 33'	70 39	45 00	69 26'	"	62 03'	1'0000	2'6667	2'8480
18	q	$\left\{ \begin{array}{l} 1 \\ 12 \end{array} \right\}$	112	45 00	35 16	26 34	26 34	24 05'	24 05'	0'5000	0'5000	0'7071
			121	26 34	65 54'	45 00	63 26	"	54 44	1'0000	2'0000	2'2360
19	n	$\left\{ \begin{array}{l} 2 \\ 1\frac{1}{2} \end{array} \right\}$	223	45 00	43 19	33 41'	33 41'	29 01	29 01	0'6667	0'6667	0'9428
			232	33 41'	60 59	45 00	56 18'	"	46 41'	1'0000	1'5000	1'8028
20	p	I	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg \varrho$
21	φ	$\frac{1}{4}1$	144	14° 02	45° 52	14° 02	45° 00	10° 01	44° 08	0° 2500	1° 0000	1° 0308
		$\frac{1}{4}$	441	45 00	79 58	75 58	75 58	44 08	"	4° 0000	4° 0000	5° 6507
22	v	$\frac{1}{3}1$	133	18 26	46 30	18 26	45 00	13 16	43 29	0° 3333	1° 0000	1° 0541
		$\frac{1}{3}$	331	45 00	76 44	71 34	71 34	43 29	"	3° 0000	3° 0000	4° 2420
23	u	$\frac{1}{2}1$	122	26 34	48 11	26 34	45 00	19 28	41 48	0° 5000	1° 0000	1° 1180
		$\frac{1}{2}$	221	45 00	70 31	63 26	63 26	41 48	"	2° 0000	2° 0000	2° 8284
24	w	$\frac{2}{3}1$	233	33 41	50 14	33 41	45 00	25 14	39 45	0° 6667	1° 0000	1° 2019
		$\frac{2}{3}$	332	45 00	64 45	56 18	56 18	39 45	"	1° 5000	1° 5000	2° 1213
25	N	$\frac{3}{4}1$	344	36 52	51 20	36 52	45 00	27 56	38 39	0° 7500	1° 0000	1° 2500
		$\frac{3}{4}$	443	45 00	62 03	53 08	53 08	38 39	"	1° 3333	1° 3333	1° 8850
26	x	$\frac{1}{3}\frac{2}{3}$	123	26 34	36 42	18 26	33 41	15 30	32 18	0° 3333	0° 6667	0° 7453
		$\frac{1}{3}\frac{2}{3}$	132	18 26	57 41	26 34	56 18	"	53 18	0° 5000	1° 5000	1° 5811
		$\frac{2}{3}$	231	33 41	74 30	63 26	71 34	32 18	"	2° 0000	3° 0000	3° 6055
27	ω	$\frac{1}{4}\frac{3}{4}$	134	18 26	38 19	14 02	36 52	11 18	36 02	0° 2500	0° 7500	0° 7900
		$\frac{1}{4}\frac{3}{4}$	143	14 02	53 57	18 26	53 08	"	51 40	0° 3333	1° 3333	1° 3744
		$\frac{3}{4}$	341	36 52	78 41	71 34	75 58	36 02	"	3° 0000	4° 0000	5° 0000
28	ψ	$\frac{1}{2}\frac{1}{2}$	124	26 34	29 12	14 02	26 34	12 36	25 52	0° 2500	0° 5000	0° 5500
		$\frac{1}{2}\frac{1}{2}$	142	14 02	64 07	26 34	63 26	"	60 47	0° 5000	2° 0000	2° 0615
		$\frac{1}{2}$	241	26 34	77 23	63 26	75 58	25 52	"	2° 0000	4° 0000	4° 4721
29	Φ	$\frac{1}{8}\frac{1}{8}$	128	"	15 37	7 07	14 02	6 55	13 56	0° 1250	0° 2500	0° 2705
		$\frac{1}{8}\frac{1}{8}$	182	7 07	76 04	26 34	75 58	"	74 23	0° 5000	4° 0000	4° 0311
		$\frac{1}{8}$	281	14 02	83 05	63 26	82 52	13 56	"	2° 0000	8° 0000	8° 2402
30	Γ	$\frac{3}{20}\frac{7}{10}$	3° 14' 20"	12 05	35 36	8 32	34 59	7 00	34 41	0° 1500	0° 7000	0° 7150
		$\frac{1}{10}\frac{1}{10}$	3° 20' 14"	8 32	55 18	12 05	55 00	"	54 24	0° 2143	1° 4286	1° 4445
		$\frac{1}{10}\frac{1}{10}$	14° 20' 3"	34 59	82 59	77 54	81 28	34 41	"	4° 6667	6° 6667	8° 1378
31	Δ	$\frac{3}{11}\frac{1}{11}$	3° 5' 11"	30 58	27 55	15 15	24 26	13 56	23 40	0° 2727	0° 4545	0° 5301
		$\frac{1}{11}\frac{1}{11}$	3° 11' 5"	15 15	66 19	30 58	65 33	"	62 04	0° 6000	2° 2000	2° 2804
		$\frac{1}{11}$	5° 11' 3"	24 26	76 03	59 02	74 44	23 40	"	1° 6667	3° 6667	4° 0277
32	Θ	$\frac{3}{10}\frac{2}{5}$	3° 4' 10"	36 52	26 34	16 42	21 48	15 34	20 58	0° 3000	0° 4000	0° 5000
		$\frac{1}{5}\frac{2}{5}$	3° 10' 4"	16 42	69 02	36 52	68 12	"	63 26	0° 7500	2° 5000	2° 6100
		$\frac{1}{5}\frac{2}{5}$	4° 10' 3"	21 48	74 26	53 08	73 18	20 58	"	1° 3333	3° 3333	3° 5001
33	Λ	$\frac{2}{7}\frac{3}{7}$	2° 37'	33 41	27 15	15 56	23 12	14 43	22 23	0° 2857	0° 4286	0° 5151
		$\frac{2}{7}\frac{3}{7}$	2° 73'	15 56	67 36	33 41	66 48	"	62 45	0° 6667	2° 3333	2° 4207
		$\frac{3}{7}\frac{2}{7}$	3° 72'	23 12	75 17	56 18	74 03	22 23	"	1° 5000	3° 5000	3° 8079
34	Ξ	$\frac{1}{7}\frac{3}{7}$	1° 37'	18 26	24 18	8 08	23 12	7 29	22 59	0° 1429	0° 4286	0° 4518
		$\frac{1}{7}\frac{3}{7}$	1° 73'	8 08	67 00	18 26	66 48	"	65 41	0° 3333	2° 3333	2° 3570
		$\frac{3}{7}$	3° 71'	23 12	82 31	71 34	81 52	22 59	"	3° 0000	7° 0000	7° 6157
35	T	$\frac{2}{17}\frac{2}{17}$	2° 6' 15"	18 26	22 51	7 35	21 48	7 03	21 37	0° 1333	0° 4000	0° 4210
		$\frac{1}{17}\frac{2}{17}$	2° 15' 6"	7 35	68 22	18 26	68 12	"	67 08	0° 3333	2° 5000	2° 5221
		$\frac{1}{17}$	6° 15' 2"	21 48	82 56	71 34	82 24	21 37	"	3° 0000	7° 5000	8° 0702
36	Σ	$\frac{2}{25}\frac{2}{25}$	2° 6' 25"	18 26	14 12	4 34	13 29	4 27	13 27	0° 0800	0° 2400	0° 2530
		$\frac{1}{25}\frac{2}{25}$	2° 25' 6"	4 34	76 32	18 26	76 30	"	75 48	0° 3333	4° 1667	4° 1709
		$\frac{1}{25}$	6° 25' 2"	13 29	85 33	71 34	85 25	13 27	"	3° 0000	12° 5000	12° 855

Franklinit.

Regulär.

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{smallmatrix} 0 \\ 100 \end{smallmatrix}$	$\begin{smallmatrix} 001 \\ 010 \end{smallmatrix}$	— 0° 00	0° 00 90 00	0° 00 "	0° 00 90 00	0° 00 "	0° 00 90 00	0 "	0 ∞	0 ∞
2	d	$\begin{smallmatrix} 101 \\ \infty \end{smallmatrix}$	$\begin{smallmatrix} 011 \\ 110 \end{smallmatrix}$	" 45 00	45 00 90 00	" 90 00	45 00 90 00	" 45 00	45 00 "	" 1'0000	1'0000 ∞	1'0000 ∞
3	m	$\begin{smallmatrix} 1\frac{1}{2} \\ 113 \end{smallmatrix}$	$\begin{smallmatrix} 113 \\ 131 \end{smallmatrix}$	" 18 26	25 14' 72 27	18 26 45 00	18 26 71 34	17 33 "	17 33 64 45'	0'3333 1'0000	0'3333 3'0000	0'4714 3'1623
4	q	$\begin{smallmatrix} 1\frac{1}{2} \\ 112 \end{smallmatrix}$	$\begin{smallmatrix} 112 \\ 121 \end{smallmatrix}$	45 00 26 34	35 16' 65 54'	26 34 45 00	26 34 63 26	24 05' "	24 05' 54 44	0'5000 1'0000	0'5000 2'0000	0'7071 2'2360
5	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
6	u	$\begin{smallmatrix} 1\frac{1}{2} \\ 12 \end{smallmatrix}$	$\begin{smallmatrix} 122 \\ 221 \end{smallmatrix}$	26 34 45 00	48 11' 70 31'	26 34 63 26	" 63 26	19 28 41 48'	41 48' "	0'5000 2'0000	" 2'0000	1'1180 2'8284

Freieslebenit.

Monoklin.

a = 0'5871	lg a = 976871	lg a ₀ = 980130	lg p ₀ = 019870	a _c = 0'6328	p ₀ = 1.5802
c = 0'9277	lg c = 996741	lg b ₀ = 003259	lg q ₀ = 996708	b ₀ = 1'0779	q ₀ = 0'9270
$\mu = \frac{1}{180} \cdot \frac{1}{\beta} \cdot 87^{\circ}46'$	$\lg h = \frac{1}{999967}$	$\lg e = \frac{1}{859072}$	$\lg \frac{p_0}{q_0} = 023162$	h = 0'9992	e = 0'0390

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00	2° 14	2° 14	0° 00	2° 14	0° 00	0'0390	0	0'0390
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	q	8∞	810	85 48'	"	"	90 00	85 48'	4 11'	11'6370	∞	"
5	e	5∞	510	83 18'	"	"	"	83 18'	6 41'	8'5230	"	"
6	t	3∞	310	78 56	"	"	"	78 56	11 04	5'1137	"	"
7	β	2∞	210	73 39	"	"	"	73 39	16 21	3'4092	"	"
8	s	$\frac{4}{3}\infty$	430	66 15	"	"	"	66 15	23 45	2'2727	"	"
9	m	∞	110	59 36	"	"	"	59 36	30 24	1'7046	"	"
10	l	$\infty \frac{2}{3}$	560	54 51'	"	"	"	54 51'	35 08'	1'4205	"	"
11	σ	$\infty \frac{1}{2}$	450	53 45	"	"	"	53 45	36 15	1'3637	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
12	n	$\infty\frac{3}{2}$	350	45° 39'	90° 00'	90° 00'	90° 00'	45° 39'	44° 21'	1'0225	∞	∞
13	k	$\infty 2$	120	40° 26'	"	"	"	40° 26'	49° 33'	0'8523	"	"
14	π	$\infty\frac{3}{2}$	250	34° 17'	"	"	"	34° 17'	55° 43'	0'6818	"	"
15	p	$\infty 3$	130	29° 36'	"	"	"	29° 36'	60° 23'	0'5682	"	"
16	i	$\infty 5$	150	18° 49'	"	"	"	18° 49'	71° 10'	0'3409	"	"
17	u	$0\frac{1}{2}$	012	4° 48'	24° 58'	2° 14'	24° 53'	2° 01'	24° 52'	0'0390	0'4638	0'4655
18	E	$0\frac{3}{2}$	034	3° 12'	34° 52'	"	34° 50'	1° 50'	34° 48'	"	0'6958	0'6964
19	r	01	011	2° 24'	42° 52'	"	42° 51'	1° 38'	42° 50'	"	0'9277	0'9285
20	d	$0\frac{3}{2}$	054	1° 55'	49° 14'	"	49° 13'	1° 27'	49° 12'	"	1'1596	1'1603
21	v	$0\frac{3}{2}$	032	1° 36'	54° 18'	"	54° 18'	1° 18'	54° 17'	"	1'3915	1'3921
22	w	02	021	1° 12'	61° 41'	"	61° 40'	1° 03'	61° 39'	"	1'8554	1'8558
23	x	+10	101	90° 00'	58° 19'	58° 19'	0° 00'	58° 19'	0° 00'	1'6204	0	1'6204
24	ξ	-10	101	90° 00'	57° 02'	57° 02'	"	57° 02'	"	1'5423	"	1'5423
25	f	+1	111	60° 12'	61° 50'	58° 19'	42° 51'	49° 54'	25° 58'	1'6204	0'9277	1'8672
26	G	-21	211	73° 27'	72° 56'	72° 15'	"	66° 24'	15° 47'	3'1237	"	3'2585
27	y	+ $\frac{1}{2}$	112	60° 47'	43° 33'	39° 41'	24° 53'	36° 58'	19° 38'	0'8297	0'4638	0'9506
28	η	- $\frac{1}{2}$	112	58° 19'	41° 27'	36° 56'	"	34° 17'	20° 21'	0'7517	"	0'8833
29	h	+1 $\frac{1}{2}$	414	81° 51'	58° 35'	58° 19'	13° 03'	57° 39'	6° 56'	1'6204	0'2319	1'6364
30	z	+1 $\frac{1}{2}$	212	74° 01'	59° 19'	"	24° 53'	55° 46'	13° 41'	"	0'4638	1'6855
31	g	+ $\frac{3}{2}$	312	79° 06'	67° 50'	67° 28'	"	65° 26'	10° 04'	2'4111	"	2'4553

Friedelit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 0.5470$	$\lg c = 973799$	$\lg a_0 = 050057$	$\lg p_0 = 956190$	$a_0 = 3.1664$	$p_0 = 0.3647$	(G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	o	0	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	b	∞	1120	30° 00'	90° 00'	"	90° 00'	30° 00'	60° 00'	"	∞	∞
3	p	1	1121	"	32° 16'	17° 31'	28° 40'	15° 29'	27° 33'	0'3158	0'5470	0'6316
4	s	15° 15'	15° 15' 30' 1	"	83° 58'	78° 05'	83° 03'	29° 49'	59° 27'	4'7372	8'2050	0'9475

Friesit.

Rhombisch.

$a = 0.5969$	$\lg a = 977590$	$\lg a_0 = 990949$	$\lg p_0 = 009051$	$a_0 = 0.8119$	$p_0 = 1.2317$
$c = 0.7352$	$\lg c = 986641$	$\lg b_0 = 013359$	$\lg q_0 = 986641$	$b_0 = 1.3601$	$q_0 = 0.7352$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	?q	0 $\frac{4}{3}$	043	"	44 25'	"	44 25'	"	44 25'	"	0.9803	0.9803
4	r	$\frac{1}{2}$ 0	102	90 00	31 37'	31 37'	0 00	31 37'	0 00	0.6158	0	0.6158
5	y	10	101	"	50 55'	50 55'	"	50 55'	"	1.2317	"	1.2317
6	w	30	301	"	74 51'	74 51'	"	74 51'	"	3.6951	"	3.6951
7	t	13	131	29 11	68 24	50 55'	65 36'	26 57'	54 16'	1.2317	2.2056	2.5262

Gadolinit.

Monoklin.

$a = 0.6261$	$\lg a = 979664$	$\lg a_0 = 967607$	$\lg p_0 = 032393$	$a_0 = 0.4743$	$p_0 = 2.1082$
$c = 1.3200$	$\lg c = 012057$	$\lg b_0 = 987943$	$\lg q_0 = 012055$	$b_0 = 0.7576$	$q_0 = 1.3199$
$\mu = \frac{1}{180} - \beta \} 89.27$	$\lg h = \frac{1}{\lg \sin \mu} 999998$	$\lg e = \frac{1}{\lg \cos \mu} 798223$	$\lg \frac{p_0}{q_0} = 020338$	$h = 0.9999$	$e = 0.0096$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	c	0	001	90° 00	0° 33	0° 33	0° 00	0° 33	0° 00	0.0096	0	0.0096
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	n	∞	110	57 57	"	"	90 00	57 57	32 03	1.5973	∞	"
5	l	∞2	120	38 37	"	"	"	38 37	51 23	0.7986	"	"
6	e	0 $\frac{1}{4}$	014	1 40	18 16	0 33	18 16	0 31'	18 16	0.0096	0.3300	0.3301
7	i	0 $\frac{1}{3}$	013	1 15	23 45'	"	23 45	0 30	23 45	"	0.4400	0.4401
8	w	0 $\frac{1}{2}$	012	0 50	33 25'	"	33 25'	0 27'	33 25'	"	0.6600	0.6601
9	x	0 $\frac{2}{3}$	023	0 37'	41 21	"	41 21	0 25	41 21	"	0.8800	0.8801
10	q	01	011	0 25	52 51	"	52 51	0 20	52 51	"	1.3200	1.3200
11	y	02	021	0 12'	69 15	"	69 15	0 12	69 15	"	2.6400	2.6400
12	t	+ $\frac{1}{2}$ 0	102	90 00	46 46	46 46	0 00	46 46	0 00	1.0637	0	1.0637

No.	Buch- staben	Symb. Miller	q	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
13	u	$-\frac{1}{2}0$ 104	90° 00	27° 21'	37° 21'	0° 00	27° 21'	0° 00	0° 5174	0	0° 5174
14	v	$-\frac{1}{2}0$ 5° 0' 12	"	40 59	40 59	"	40 59	"	0° 8688	"	0° 8688
15	s	$-\frac{1}{2}0$ 102	"	46 15	46 15	"	46 15	"	1° 0445	"	1° 0445
16	r	-10 101	"	64 31	64 31	"	64 31	"	2° 0987	"	2° 0987
17	a	$+2$ 221	58 01	28 39	76 41	69 15	56 15	31 17	4° 2262	2° 6400	4° 0824
18	p	$+1$ 111	58 04	68 10	64 43	52 51	51 59	29 24	2° 1179	1° 3200	2° 4955
19	β	$+\frac{1}{2}$ 112	58 11	51 23	46 46	33 25	41 36	24 19	1° 0637	0° 6600	1° 2518
20	λ	$+\frac{2}{3}$ 225	58 14	45 05	40 27	27 50	37 01	53 21	0° 8528	0° 5280	1° 0030
21	κ	$+\frac{1}{3}$ 113	58 18	39 56	35 28	23 45	33 06	19 43	0° 7123	0° 4400	0° 8372
22	θ	$+\frac{1}{6}$ 1° 1' 10	59 05	14 24	12 26	7 31	12 19	7 20	0° 2204	0° 1320	0° 2560
23	γ	$-\frac{1}{2}$ 112	57 43	51 01	46 15	33 25	41 05	24 32	1° 0445	0° 6600	1° 2355
24	o	-1 111	57 50	68 02	64 31	52 51	51 43	29 35	2° 0987	1° 3200	2° 4702
25	δ	-2 221	57 53	78 37	76 38	69 15	56 08	31 24	4° 2070	2° 6400	4° 0605
26	ε	$+\frac{1}{2}$ 212	72 41	65 44	64 43	33 25	60 30	15 44	2° 1179	0° 6600	2° 2183
27	ζ	$+\frac{1}{2}$ 232	46 56	70 58	"	63 12	43 41	40 12	"	1° 9800	2° 8991
28	δ	$+12$ 121	38 44	73 32	"	69 15	36 53	48 25	"	2° 6400	3° 3842
29	η	$-1\frac{1}{2}$ 212	72 33	65 33	64 31	33 25	60 17	15 51	2° 0987	0° 6600	2° 2000
30	f	-12 121	38 29	73 29	"	69 15	36 38	48 38	"	2° 6400	3° 3722
31	μ	$-\frac{1}{2}1$ 122	38 21	59 17	46 15	52 51	32 15	42 23	1° 0445	1° 3200	1° 0831
32	g	$+23$ 231	46 52	80 12	76 41	75 49	45 59	42 21	4° 2262	3° 9600	5° 7912
33	h	$+32$ 321	67 23	81 42	81 02	69 15	65 59	22 22	6° 3345	2° 6400	6° 8025
34	k	$-\frac{1}{3}\frac{2}{3}$ 123	38 14	48 14	34 43	41 20	27 29	35 52	0° 6931	0° 8800	1° 1201
35	z	$+\frac{2}{3}\frac{4}{3}$ 243	38 48	66 07	54 45	60 23	34 57	45 26	1° 4150	1° 7600	2° 2581

Ganomalith.

Tetragonal.

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 0.707 \quad \lg c = 984942 \quad \lg a_o = 015058 \quad a_o = 1.414$$

No.	Buch- staben	Symb. Miller	q	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0 001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	∞ 110	45° 00	90 00	90 00	90 00	45 00	45 00	1° 0000	∞	∞
3	β	∞ 4 140	14 02	"	"	"	14 02	75 58	0° 2500	"	"
4	p	1 111	45 00	44 50	35 15	35 15	30 00	30 00	0° 7070	0° 7070	1° 0000

Ganophyllit.

Monoklin.

$a = 0.413$	$\lg a = 961595$	$\lg a_0 = 935328$	$\lg p_0 = 064672$	$a_0 = 0.2256$	$p_0 = 4.4332$
$c = 1.8309$	$\lg c = 026267$	$\lg b_0 = 973733$	$\lg q_0 = 026193$	$b_0 = 0.5462$	$q_0 = 1.8278$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 86^\circ 39'$	$\lg h = \left. \begin{matrix} 999926 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 876667 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 038479$	$h = 0.9983$	$e = 0.0584$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' = $\lg e$
1	c	o	001	90° 00'	3° 21'	3° 21'	0° 00'	3° 21'	0° 00'	0.0585	o	0.0585
2	b	o ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	o	∞	∞
3	m	∞	110	67 35'	"	90 00	"	67 35'	22 24'	2.4254	"	"
4	e	01	011	1 50	61 22	3 21	61 21'	1 36'	61 19'	0.0585	1.8309	1.8319

Gaylussit.

Monoklin.

$a = 1.4896$	$\lg a = 017307$	$\lg a_0 = 001347$	$\lg p_0 = 998653$	$a_0 = 1.0315$	$p_0 = 0.9695$
$c = 1.4441$	$\lg c = 015960$	$\lg b_0 = 984040$	$\lg q_0 = 015072$	$b_0 = 0.6925$	$q_0 = 1.4149$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 78^\circ 27'$	$\lg h = \left. \begin{matrix} 999112 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 930151 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 983581$	$h = 0.9798$	$e = 0.2002$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' = $\lg e$
1	c	o	001	90° 00'	11° 33'	11° 33'	0° 00'	11° 33'	0° 00'	0.2043	o	0.2043
2	b	o ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	o	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	o	"
4	m	∞	110	34 25'	"	"	90 00	34 25'	55 35'	0.6852	∞	"
5	e	01	011	8 03'	55 34	11 33	55 18	6 38	54 45	0.2043	1.4441	1.4585
6	s	— 10	101	90 00	38 08'	38 08'	0 00	38 08'	0 00	0.7852	o	0.7852
7	r	— $\frac{1}{2}$	112	21 55	37 53'	16 12	35 50	13 15	34 44	0.2904	0.7220	0.7783

Gehlenit.

Tetragonal.

$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0.5658$	$\lg c = 975266$	$\lg a_0 = 024734$	$a_0 = 1.7674$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg e$
1	c	o	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	o	o	o
2	a	∞	110	45° 00'	90 00	90 00	90 00	45 00	45 00	1.0000	∞	∞
3	n	$\infty 2$	120	26 34	"	"	"	26 34	63 26	0.5000	"	"
4	e	01	011	0 00	29 30	0 00	29 30	0 00	29 30	o	0.5658	0.5658
5	f	0 $\frac{2}{3}$	087	"	32 53'	"	32 53'	"	32 53'	"	0.6466	0.6466
6	g	02	021	"	48 32	"	48 32	"	48 32	"	1.1316	1.1316

Geokronit.

Rhombsch.

$a = 1.006$	$\lg a = 0.00260$	$\lg a_0 = 0.23917$	$\lg p_0 = 0.76083$	$a_0 = 1.734$	$p_0 = 0.577$
$c = 0.58$	$\lg c = 0.76343$	$\lg b_0 = 0.23657$	$\lg q_0 = 0.76343$	$b_0 = 1.724$	$q_0 = 0.58$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	b	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	n	01	011	0° 00	30 07	"	30 07	"	30 07	"	0.5800	0.5800
3	r	1½	212	63 18	32 50	29 58	16 10	28 58	14 06	0.5765	0.2900	0.6454

Gerhardtit.

Rhombsch.

$a = 0.9217$	$\lg a = 9.96459$	$\lg a_0 = 9.90156$	$\lg p_0 = 0.09844$	$a_0 = 0.7972$	$p_0 = 1.2544$
$c = 1.1562$	$\lg c = 0.06303$	$\lg b_0 = 9.93697$	$\lg q_0 = 0.06303$	$b_0 = 0.8649$	$q_0 = 1.1562$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	∞	110	47° 20	90 00	90 00	90 00	47 20	42 40	1.0849	∞	1.0849
3	z	20	201	90 00	68 16	68 16	0 00	68 16	0 00	2.5088	0	2.5088
4	y	½	112	47 20	40 28	32 06	30 02	28 30	26 05	0.6272	0.5781	0.8530
5	w	⅔	223	"	48 40	39 54	37 37	33 31	30 35	0.83628	0.7708	1.1373
6	u	¾	334	"	51 59	43 15	40 56	35 24	32 16	0.9408	0.8671	1.2704
7	t	⅞	778	"	56 11	47 40	45 21	37 39	34 16	1.0976	1.0116	1.4927
8	p	1	111	"	59 37	51 26	49 08	39 22	35 47	1.2544	1.1562	1.7000
9	s	2	221	"	73 40	68 16	66 37	44 53	40 34	2.5088	2.3124	0.4119
10	r	5	551	"	83 19	80 56	80 11	46 54	42 18	6.2720	5.7810	8.5208

Gersdorffit.**Regulär.**

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{matrix} 012 \\ 021 \\ 120 \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34 \end{matrix}$	$\begin{matrix} 26^\circ 34 \\ 63^\circ 26 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 26^\circ 34 \\ 63^\circ 26 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34 \end{matrix}$	$\begin{matrix} 26^\circ 34 \\ 63^\circ 26 \\ " \end{matrix}$	$\begin{matrix} " \\ " \\ 0^\circ 5000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$
3	p	$\begin{matrix} 1 \\ 111 \end{matrix}$	$\begin{matrix} 111 \\ 111 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 54^\circ 44 \end{matrix}$	$\begin{matrix} 54^\circ 44 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 35^\circ 16 \end{matrix}$	$\begin{matrix} 35^\circ 16 \\ 35^\circ 16 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 4142 \\ 1^\circ 4142 \end{matrix}$	$\begin{matrix} 1^\circ 4142 \\ 1^\circ 4142 \end{matrix}$

Gismondin.**Rhomboisch.**

a = 0.9856	lg a = 999370	lg a ₀ = 002164	lg p ₀ = 997836	a ₀ = 1.0511	p ₀ = 0.9514
c = 0.9377	lg c = 997206	lg b ₀ = 002794	lg q ₀ = 997206	b ₀ = 1.0664	q ₀ = 0.9377

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{matrix} 0 \\ 0\infty \end{matrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	b	$\begin{matrix} 0\infty \\ \infty 0 \end{matrix}$	$\begin{matrix} 010 \\ 100 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 90^\circ 00 \\ " \end{matrix}$	$\begin{matrix} " \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 90^\circ 00 \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} " \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 90^\circ 00 \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} " \\ \infty \end{matrix}$	$\begin{matrix} \infty \\ 0 \end{matrix}$	$\begin{matrix} \infty \\ " \end{matrix}$
3	a	$\begin{matrix} \infty \\ 0 \end{matrix}$	$\begin{matrix} 110 \\ 100 \end{matrix}$	$\begin{matrix} 45^\circ 25 \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} " \\ 43^\circ 09' \end{matrix}$	$\begin{matrix} " \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 90^\circ 00 \\ 43^\circ 09' \end{matrix}$	$\begin{matrix} 45^\circ 25 \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 44^\circ 35 \\ 43^\circ 09' \end{matrix}$	$\begin{matrix} 1^\circ 0147 \\ 0 \end{matrix}$	$\begin{matrix} \infty \\ 0.9377 \end{matrix}$	$\begin{matrix} " \\ 0.9377 \end{matrix}$
4	n	$\begin{matrix} \infty \\ 01 \end{matrix}$	$\begin{matrix} 110 \\ 011 \end{matrix}$	$\begin{matrix} 45^\circ 25 \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} " \\ 43^\circ 34' \end{matrix}$	$\begin{matrix} " \\ 43^\circ 34' \end{matrix}$	$\begin{matrix} 90^\circ 00 \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 25 \\ 43^\circ 34' \end{matrix}$	$\begin{matrix} 44^\circ 35 \\ 43^\circ 34' \end{matrix}$	$\begin{matrix} 1^\circ 0147 \\ 0 \end{matrix}$	$\begin{matrix} \infty \\ 0.9377 \end{matrix}$	$\begin{matrix} " \\ 0.9377 \end{matrix}$
5	s	$\begin{matrix} 01 \\ 10 \end{matrix}$	$\begin{matrix} 011 \\ 101 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 43^\circ 09' \\ 43^\circ 34' \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 43^\circ 34' \end{matrix}$	$\begin{matrix} 43^\circ 09' \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 43^\circ 34' \end{matrix}$	$\begin{matrix} 43^\circ 09' \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0 \end{matrix}$	$\begin{matrix} 0.9377 \end{matrix}$	$\begin{matrix} 0.9377 \end{matrix}$
6	o	$\begin{matrix} 10 \\ 101 \end{matrix}$	$\begin{matrix} 101 \\ 101 \end{matrix}$	$\begin{matrix} 90^\circ 00 \\ 43^\circ 34' \end{matrix}$	$\begin{matrix} 43^\circ 34' \\ 43^\circ 34' \end{matrix}$	$\begin{matrix} 43^\circ 34' \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 43^\circ 34' \end{matrix}$	$\begin{matrix} 43^\circ 34' \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0.9514 \end{matrix}$	$\begin{matrix} 0 \end{matrix}$	$\begin{matrix} 0.9514 \end{matrix}$

Glanzkobalt.**Regulär. Pentagonal-hemledrisch.**

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	f	$\begin{cases} 0\frac{1}{2} \\ 04 \\ \infty 4 \end{cases}$	$\begin{matrix} 014 \\ 041 \\ 140 \end{matrix}$	$\begin{matrix} " \\ " \\ 14^\circ 02 \end{matrix}$	$\begin{matrix} 14^\circ 02 \\ 75^\circ 58 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 14^\circ 02 \\ 75^\circ 58 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ " \\ 14^\circ 02 \end{matrix}$	$\begin{matrix} 14^\circ 02 \\ 75^\circ 58 \\ " \end{matrix}$	$\begin{matrix} " \\ " \\ 0^\circ 2500 \end{matrix}$	$\begin{matrix} 0^\circ 2500 \\ 4^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 2500 \\ 4^\circ 0000 \\ \infty \end{matrix}$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
3	e	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{array} \right.$	012	0° 00	26° 34	0° 00	26° 34	0° 00	26° 34	0	0'5000	0'5000
			021	"	63 26	"	63 26	"	63 26	"	2'0000	2'0000
			120	26 34	90 00	90 00	90 00	26 34	"	0'5000	"	"
4	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	011	0 00	45 00	0 00	45 00	0 00	45 00	0	1'0000	1'0000
			110	45 00	90 00	90 00	90 00	45 00	"	1'0000	"	"
5	o	$\left\{ \begin{array}{l} \frac{2}{3} \\ 1\frac{1}{2} \end{array} \right.$	225	"	29 29	21 48	21 48	20 22	20 22	0'4000	0'4000	0'5657
			252	21 48	69 37	45 00	68 12	"	60 30	1'0000	2'5000	2'6924
6	t	$\left\{ \begin{array}{l} \frac{3}{4} \\ 1\frac{1}{3} \end{array} \right.$	334	45 00	46 41	36 52	36 52	30 58	30 58	0'7500	0'7500	1'0600
			343	36 52	59 02	45 00	53 08	"	43 19	1'0000	1'3333	1'6607
7	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
8	u	$\left\{ \begin{array}{l} \frac{1}{2} 1 \\ 2 \end{array} \right.$	122	26 34	48 11	26 34	"	19 28	41 48	0'5000	"	1'1180
			221	45 00	70 31	63 26	63 26	41 48	"	2'0000	2'0000	2'8284
9	x	$\left\{ \begin{array}{l} \frac{1}{2} \frac{2}{3} \\ \frac{2}{3} \frac{1}{2} \\ 23 \end{array} \right.$	123	26 34	36 42	18 26	33 41	15 30	32 18	0'3333	0'6667	0'7453
			132	18 26	57 41	26 34	56 18	"	53 18	0'5000	1'5000	1'5811
			231	33 41	74 30	63 26	71 34	32 18	"	2'0000	3'0000	3'6055
10	y	$\left\{ \begin{array}{l} \frac{1}{2} \frac{3}{4} \\ \frac{3}{4} \frac{1}{2} \\ \frac{3}{2} 2 \end{array} \right.$	234	"	42 02	26 34	36 52	21 48	33 51	0'5000	0'7500	0'9014
			243	26 34	56 08	33 41	53 08	"	47 58	0'6667	1'3333	1'4907
			342	36 52	68 12	56 18	63 26	33 51	"	1'5000	2'0000	2'5000

Glaserit.

Hexagonal. Rhomboedrisch-hemiedrisch.

c = 1'2839	lg c = 0'10854	lg a ₀ = 0'13002	lg p ₀ = 993245	a ₀ = 1'3490	p ₀ = 0'8560
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	$\infty 0$	1010	0° 00	90 00	"	90 00	"	90 00	"	"	"
3	m	∞	1120	30 00	"	90 00	"	30 00	60 00	0'5773	"	"
4	δ	$+\frac{1}{2}$	1124	"	20 20	10 30	17 48	10 00	17 31	0'1853	0'3210	0'3706
5	e ε	$+\frac{1}{2}$	1122	"	36 33	20 20	32 42	17 19	31 03	0'3706	0'6420	0'7413
6	ry	+1	1121	"	56 00	36 33	52 05	24 29	45 53	0'7413	1'2839	1'4826

Glauberit.**Monoklin.**

$a = 1.2199$	$\lg a = 0.08632$	$\lg a_0 = 0.07454$	$\lg p_0 = 0.92546$	$a_0 = 1.1872$	$p_0 = 0.8423$
$c = 1.0275$	$\lg c = 0.01178$	$\lg b_0 = 0.98822$	$\lg q_0 = 0.97838$	$b_0 = 0.9732$	$q_0 = 0.9514$
$\mu = \frac{1}{180 - \beta} \left\{ 67.49 \right.$	$\lg h = \left\{ 0.96660 \right.$	$\lg e = \left\{ 0.957700 \right.$	$\lg \frac{p_0}{q_0} = 0.94706$	$h = 0.9260$	$e = 0.3776$
	$\lg \sin \mu \left\{ \right.$	$\lg \cos \mu \left\{ \right.$			

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\operatorname{tg} \varrho$
1	c	o	001	90° 00	22° 11	22° 11	0° 00	22° 11	0° 00	0.4077	0	0.4077
2	b	o ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	41 31	"	"	90 00	41 31	48 29	0.8852	∞	"
5	f	0 $\frac{2}{3}$	023	30 46	38 34	22 11	34 25	18 35	32 23	0.4077	0.6850	0.7972
6	g	02	021	11 13	64 29	"	64 03	10 07	62 16	"	2.0550	2.0951
7	z	- $\frac{3}{2}0$	302	90 00	43 44	43 44	0 00	43 44	0 00	0.9566	0	0.9566
8	t	-20	201	"	54 41	54 41	"	54 41	"	1.4115	"	1.4115
9	r	+6	661	43 34	83 18	80 19	80 47	43 12	46 01	5.8656	6.1650	8.5094
10	s	+1	111	52 03	59 06	52 48	45 46	42 35	31 51	1.3174	1.0275	1.6707
11	e	+ $\frac{4}{3}$	445	54 06	54 30	48 38	39 25	41 15	28 31	1.1355	0.8220	1.4018
12	a	+ $\frac{2}{3}$	334	54 44	53 09	47 30	37 37	40 48	27 31	1.0900	0.7706	1.3349
13	u	+ $\frac{1}{2}$	112	59 13	45 07	40 47	27 11	37 30	21 15	0.8626	0.5137	1.0040
14	β	+ $\frac{1}{3}$	113	64 17	38 17	35 25	18 54	33 55	15 36	0.7109	0.3425	0.7892
15	v	- $\frac{1}{2}$	113	16 59	19 42	5 58	"	5 39	18 48	0.1045	"	0.3581
16	w	- $\frac{1}{2}$	112	5 14	27 17	3 41	27 11	3 24	27 10	0.0470	0.5137	0.5159
17	n	-1	111	26 02	48 50	26 39	45 46	19 17	42 34	0.5018	1.0275	1.1435
18	x	-3	331	48 29	72 07	66 41	64 03	45 26	39 07	3.3211	2.0550	3.1001
19	e	-31	311	66 07	68 30	"	45 46	58 18	22 07	"	1.0275	2.5384

Glaubersalz.**Monoklin.**

$a = 1.116$	$\lg a = 0.04766$	$\lg a_0 = 0.95494$	$\lg p_0 = 0.04506$	$a_0 = 0.9014$	$p_0 = 1.109$
$c = 1.238$	$\lg c = 0.09272$	$\lg b_0 = 0.90728$	$\lg q_0 = 0.07154$	$b_0 = 0.8078$	$q_0 = 1.179$
$\mu = \frac{1}{180 - \beta} \left\{ 72.15 \right.$	$\lg h = \left\{ 0.997882 \right.$	$\lg e = \left\{ 0.948411 \right.$	$\lg \frac{p_0}{q_0} = 0.997352$	$h = 0.9524$	$e = 0.3049$
	$\lg \sin \mu \left\{ \right.$	$\lg \cos \mu \left\{ \right.$			

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\operatorname{tg} \varrho$
1	a	o	001	90° 00	17° 45	17° 45	0° 00	17° 45	0° 00	0.3201	0	0.3201
2	b	o ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	c	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
4	e	∞	110	43° 15'	90° 00'	90° 00'	90° 00'	43° 15'	46° 45'	0° 9408'	∞	∞
5	f	$\infty 2$	120	25 11'	"	"	"	25 11'	64 48'	0° 4704'	"	"
6	m	01	011	14 30	51 58'	17 45	51 04	11 22'	49 42'	0° 3201'	1° 2380	1° 2787
7	v	02	021	7 22	68 10'	"	68 00'	6 50	67 01	"	2° 4760	2° 4611
8	w	$+\frac{1}{2}0$	102	90 00	42 04	42 04	0 00	42 04	0 00	0° 9023'	0	0° 9023
9	l	$-\frac{1}{2}0$	102	90 00	14 41	14 41	"	14 41	"	0° 2620'	"	0° 2620
10	r	-10	101	"	40 10'	40 10'	"	40 10'	"	0° 8443	"	0° 8443
11	u	+2	221	46 56	74 35	69 19	68 00'	44 46	41 10	2° 6490	2° 4760	3° 6254
12	d	+1	111	50 10'	62 39	56 02	51 04	43 00'	34 40'	1° 4846	1° 2380	1° 9334
13	x	$+\frac{1}{2}$	112	55 33	47 34'	42 04	31 45'	37 30	24 41	0° 6845	0° 6190	1° 0042
14	y	$-\frac{1}{2}$	112	32 56	33 54'	14 41	"	12 34	30 55	2° 6207	"	0° 6722
15	n	-1	111	34 17'	56 17	46 10'	51 04	27 57	43 24'	0° 8443	1° 2380	1° 4005

Glaukodot.

Rhombisch.

a = 0° 6855	lg a = 983601	lg a ₀ = 976017	lg p ₀ = 023983	a ₀ = 0° 5757	p ₀ = 1° 7371
c = 1° 1908	lg c = 007584	lg b ₀ = 992416	lg q ₀ = 007584	b ₀ = 0° 8398	q ₀ = 1° 1908

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	p	6 ∞	610	83 29	"	"	90 00	83 29	6 31	8° 7526	∞	"
5	m	$\infty \frac{1}{2}$	110	55 34	"	"	"	55 34	34 26	1° 4588	"	"
6	r	0 $\frac{1}{2}$	014	0 00	16 34'	0 00	16 34'	0 00	16 34'	0	0° 2977	0° 2977
7	q	0 $\frac{1}{3}$	013	"	21 39	"	21 39	"	21 39	"	0° 3969	0° 3969
8	s	0 $\frac{1}{2}$	012	"	30 46	"	30 46	"	30 46	"	0° 5954	0° 5954
9	l	01	011	"	49 58'	"	49 58'	"	49 58'	"	1° 1908	1° 1908
10	k	02	021	"	67 13'	"	67 13'	"	67 13'	"	2° 3816	2° 3816
11	t	03	031	"	74 21'	"	74 21'	"	74 21'	"	3° 5724	3° 5724
12	e	10	101	90 00	60 04'	60 04'	0 00	60 04'	0 00	1° 7371	0	1° 7371
13	a	$\frac{1}{2}$	112	55 34	46 29	40 58'	30 46	36 44	24 12'	0° 8685	0° 5954	1° 0530
14	g	1	111	"	64 36	60 04'	49 58'	48 10	30 43	1° 7371	1° 1908	2° 1000
15	v	1 $\frac{1}{2}$	212	71 05	61 25'	"	30 46	56 10'	16 32'	"	0° 5954	1° 8303
16	β	21	211	"	74 46	73 56'	49 56'	65 53'	18 14	3° 4743	1° 1908	3° 6727

Glimmer.¹⁾

Rhombisch. (?)

a = 0.5773	lg a = 976140	lg a ₀ = 924381	lg p ₀ = 075619	a ₀ = 0.1753	p ₀ = 5.704
c = 3.293	lg c = 051759	lg b ₀ = 948241	lg q ₀ = 051759	b ₀ = 0.3037	q ₀ = 3.293

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	P	o	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	o	o	o
2	h	o ∞	010	0° 00'	90 00'	90 00'	90 00'	90 00'	90 00'	"	"	"
3	T	∞ o	100	90 00'	"	90 00'	0 00'	90 00'	0 00'	∞	o	"
4	G	∞	110	60 00'	"	"	90 00'	60 00'	30 00'	1.7322	∞	"
5	L	∞ 3	130	30 00'	"	"	"	30 00'	60 00'	0.5774	"	"
6	J	o $\frac{1}{3}$	013	0 00'	47 40'	0 00'	47 40'	0 00'	47 40'	o	1.0976	1.0976
7	t	o $\frac{3}{2}$	023	"	65 30'	"	65 30'	"	63 30'	"	2.1953	2.1953
8	r	o1	011	"	73 06'	"	73 06'	"	73 06'	"	3.2930	3.2930
9	Y	o $\frac{4}{3}$	043	"	77 10'	"	77 10'	"	77 10'	"	4.3907	4.3907
10	s	o $\frac{3}{2}$	032	"	78 33'	"	78 33'	"	78 33'	"	4.9394	4.9394
11	ξ	o $\frac{7}{2}$	0127	"	79 57'	"	79 57'	"	79 57'	"	5.6451	5.6451
12	a	o2	021	"	81 22'	"	81 22'	"	81 22'	"	6.5860	6.5860
13	β	o $\frac{5}{2}$	052	"	83 04'	"	83 04'	"	83 04'	"	8.2324	8.2324
14	y	o4	041	"	85 39'	"	85 39'	"	85 39'	"	13.172	13.172
15	q	o6	061	"	87 10'	"	87 10'	"	87 10'	"	19.758	19.758
16	x	$\frac{1}{2}$ o	102	90 00'	70 40'	70 40'	0 00'	70 40'	0 00'	2.8521	o	2.8521
17	g	1o	101	"	80 03'	80 03'	"	80 03'	"	5.7041	"	5.7041
18	a	— $\frac{1}{2}$	1.1.12	60 00'	28 45'	25 25'	15 20'	24 37'	13 55'	0.4753	0.2744	0.5489
19	W	+ $\frac{1}{2}$	119	"	36 12'	32 22'	20 06'	30 45'	17 10'	0.6338	0.3660	0.7318
20	k	— $\frac{1}{2}$	118	"	39 38'	35 29'	22 22'	33 24'	18 31'	0.7130	0.4116	0.8233
21	γ	+ $\frac{1}{2}$	117	"	43 15'	39 10'	25 11'	36 24'	20 02'	0.8149	0.4704	0.9409
22	z	+ $\frac{1}{2}$	116	"	47 40'	43 33'	28 45'	39 48'	21 41'	0.9507	0.5488	1.0977
23	S	+ $\frac{1}{2}$	115	"	52 48'	48 46'	33 22'	43 37'	23 28'	1.1408	0.6586	1.3173
24	p	+ $\frac{1}{2}$	114	"	58 43'	54 57'	39 27'	47 45'	25 18'	1.426	0.8232	1.6466
25	ζ	— $\frac{1}{2}$	113	"	65 30'	62 15'	47 40'	52 00'	27 04'	1.9014	1.0976	2.1955
26	H	— $\frac{2}{3}$	225	"	69 13'	66 20'	52 47'	54 04'	27 52'	2.2816	1.3172	2.6346
27	o	— $\frac{1}{2}$	112	"	73 06'	70 40'	58 43'	55 58'	28 35'	2.8520	1.6465	3.2933
28	l	+ $\frac{3}{2}$	558	"	76 20'	74 20'	64 05'	57 18'	29 04'	3.5651	2.0581	4.1165
29	N	+ $\frac{3}{2}$	223	"	77 10'	75 16'	65 30'	57 36'	29 10'	3.8027	2.1953	4.3910
30	u	— $\frac{7}{10}$	7.7.10	"	77 45'	75 56'	66 33'	57 49'	29 15'	3.9929	2.3051	4.6105
31	n	— $\frac{3}{4}$	334	"	78 33'	76 50'	67 57'	58 05'	29 20'	4.2781	2.4697	4.9398
32	w	— $\frac{9}{10}$	9.9.10	"	80 25'	78 58'	71 21'	58 39'	29 32'	5.1336	2.9636	5.9277
33	M	+1	111	"	81 22'	80 03'	73 06'	58 53'	29 37'	5.7041	3.2930	6.5864

¹⁾ + Im Sinn der monoklinen Symbole.
Goldschmidt, Winkeltabellen.

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
34	i	$+\frac{0}{8}$	998	60°00	82°19	81°08	74°53	59°07	29°42	6'4171	3'7047	7'4097
35	c	$+\frac{5}{4}$	554	"	83°04	82°01	76°20	59°17	29°45	7'1301	4'1162	8'2330
36	e	$-\frac{3}{2}$	332	"	84°13	83°20	78°33	59°30	29°49	8'5562	4'9394	9'8790
37	m	-2	221	"	85°39	84°59	81°22	59°43	29°54	11'408	6'586	13'173
38	f	-3	331	"	87°06	86°39	84°13	59°52	29°57	17'1124	9'879	19'754
39	o	$+\frac{5}{2}$	551	"	88°15	87°59	86°31	59°57	29°59	28'5206	16'465	32'932
40	d	$-\frac{1}{2}$	132	30°00	80°03	70°40	78°33	29°30	58°32	2'8520	4'9394	5'7037
41	v	$-\frac{1}{4}$	134	"	70°40	54°57	67°57	28°09	54°48	1'4260	2'4697	2'8519
42	b	$-\frac{5}{2}$	515'2	"	87°59	85°59	87°41	29°59	59°56	14'2600	24'6970	28'519

Göthit.

Rhombisch.

a=0'9185	lga=996308	lg a ₀ =018003	lg p ₀ =981997	a ₀ =1'5136	p ₀ =0'6606
c=0'6068	lg c=978305	lg b ₀ =021695	lg q ₀ =978305	b ₀ =1'6480	q ₀ =0'6068

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	b	0 ∞	010	0°00	90°00	0°00	90°00	0°00	90°00	0	∞	∞
2	a	$\infty 0$	100	90°00	"	90°00	0°00	90°00	0°00	∞	0	"
3	M	2 ∞	210	65°20	"	"	90°00	65°20	24°40	2'1777	∞	"
4	y	∞	110	47°26	"	"	"	47°26	42°34	1'0887	"	"
5	l	$\infty 2$	120	28°33	"	"	"	28°33	61°26	0'5443	"	"
6	e	01	011	0°00	31°15	0°00	31°15	0°00	31°15	0	0'6068	0'6068
7	d	02	021	"	50°31	"	50°31	"	50°31	"	1'2136	1'2136
8	i	0 $\frac{5}{2}$	052	"	56°36	"	56°36	"	56°36	"	1'5170	1'5170
9	u	10	101	90°00	33°27	33°27	0°00	33°27	0°00	0'6606	0	0'6606
10	N	40	401	"	69°16	69°16	"	69°16	"	2'6426	"	2'6426
11	A	1 $\frac{5}{2}$	252	23°32	58°51	33°27	56°36	19°59	51°41	0'6606	1'5170	1'6540
12	p	1	111	47°26	41°53	"	31°15	29°27	26°51	"	0'6068	0'8970
13	s	1 $\frac{1}{2}$	212	65°20	36°01	"	16°52	32°18	14°12	"	0'3034	0'7270
14	o	31	311	72°58	64°14	63°13	31°15	59°27	15°17	1'9829	0'6068	2'0727

Gold.

Regulär.

Nr.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d —tg ϱ
1	c	$\left\{ \begin{smallmatrix} 0 \\ 0\infty \end{smallmatrix} \right.$	$\begin{smallmatrix} 001 \\ 010 \end{smallmatrix}$	$\begin{smallmatrix} — \\ 0^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ \infty \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ \infty \end{smallmatrix}$
2	f	$\left\{ \begin{smallmatrix} 0\frac{1}{2} \\ 04 \\ \infty 4 \end{smallmatrix} \right.$	$\begin{smallmatrix} 014 \\ 041 \\ 140 \end{smallmatrix}$	$\begin{smallmatrix} " \\ " \\ 14^\circ 02' \end{smallmatrix}$	$\begin{smallmatrix} 14^\circ 02' \\ 75^\circ 58' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} " \\ " \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 14^\circ 02' \\ 75^\circ 58' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} " \\ " \\ 14^\circ 02' \end{smallmatrix}$	$\begin{smallmatrix} 14^\circ 02' \\ 75^\circ 58' \\ " \end{smallmatrix}$	$\begin{smallmatrix} " \\ " \\ 0^\circ 25'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 25'00'' \\ 4^\circ 00'00'' \\ \infty \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 25'00'' \\ 4^\circ 00'00'' \\ \infty \end{smallmatrix}$
3	a	$\left\{ \begin{smallmatrix} 0\frac{1}{3} \\ 03 \\ \infty 3 \end{smallmatrix} \right.$	$\begin{smallmatrix} 013 \\ 031 \\ 130 \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ " \\ 18^\circ 26' \end{smallmatrix}$	$\begin{smallmatrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ " \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} " \\ " \\ 18^\circ 26' \end{smallmatrix}$	$\begin{smallmatrix} 18^\circ 26' \\ 71^\circ 34' \\ " \end{smallmatrix}$	$\begin{smallmatrix} " \\ " \\ 0^\circ 33'33'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 33'33'' \\ 3^\circ 00'00'' \\ \infty \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 33'33'' \\ 3^\circ 00'00'' \\ \infty \end{smallmatrix}$
4	g	$\left\{ \begin{smallmatrix} 0\frac{1}{4} \\ 02 \\ \infty 2 \end{smallmatrix} \right.$	$\begin{smallmatrix} 025 \\ 052 \\ 250 \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ " \\ 21^\circ 48' \end{smallmatrix}$	$\begin{smallmatrix} 21^\circ 48' \\ 68^\circ 12' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ " \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 21^\circ 48' \\ 68^\circ 12' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ " \\ 21^\circ 48' \end{smallmatrix}$	$\begin{smallmatrix} 21^\circ 48' \\ 68^\circ 12' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ " \\ 0^\circ 40'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 40'00'' \\ 2^\circ 50'00'' \\ \infty \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 40'00'' \\ 2^\circ 50'00'' \\ \infty \end{smallmatrix}$
5	e	$\left\{ \begin{smallmatrix} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{smallmatrix} \right.$	$\begin{smallmatrix} 012 \\ 021 \\ 120 \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ " \\ 26^\circ 34' \end{smallmatrix}$	$\begin{smallmatrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ " \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ " \\ 26^\circ 34' \end{smallmatrix}$	$\begin{smallmatrix} 26^\circ 34' \\ 63^\circ 26' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ " \\ 0^\circ 50'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 50'00'' \\ 2^\circ 00'00'' \\ \infty \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 50'00'' \\ 2^\circ 00'00'' \\ \infty \end{smallmatrix}$
6	d	$\left\{ \begin{smallmatrix} 01 \\ \infty \end{smallmatrix} \right.$	$\begin{smallmatrix} 011 \\ 110 \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ 45^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 45^\circ 00' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 45^\circ 00' \\ 90^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 00' \\ 45^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 45^\circ 00' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ 1^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 1^\circ 00'00'' \\ \infty \end{smallmatrix}$	$\begin{smallmatrix} 1^\circ 00'00'' \\ \infty \end{smallmatrix}$
7	A	$\left\{ \begin{smallmatrix} \frac{1}{8} \\ 18 \end{smallmatrix} \right.$	$\begin{smallmatrix} 118 \\ 181 \end{smallmatrix}$	$\begin{smallmatrix} " \\ 7^\circ 07' \end{smallmatrix}$	$\begin{smallmatrix} 10^\circ 01' \\ 82^\circ 56' \end{smallmatrix}$	$\begin{smallmatrix} 7^\circ 07' \\ 45^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 7^\circ 07' \\ 82^\circ 52' \end{smallmatrix}$	$\begin{smallmatrix} 7^\circ 04' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 7^\circ 04' \\ 79^\circ 59' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 12'50'' \\ 1^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 12'50'' \\ 8^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 17'68'' \\ 8^\circ 06'22'' \end{smallmatrix}$
8	k	$\left\{ \begin{smallmatrix} \frac{1}{4} \\ 14 \end{smallmatrix} \right.$	$\begin{smallmatrix} 114 \\ 141 \end{smallmatrix}$	$\begin{smallmatrix} 45^\circ 00' \\ 14^\circ 02' \end{smallmatrix}$	$\begin{smallmatrix} 19^\circ 28' \\ 76^\circ 22' \end{smallmatrix}$	$\begin{smallmatrix} 14^\circ 02' \\ 45^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 14^\circ 02' \\ 75^\circ 58' \end{smallmatrix}$	$\begin{smallmatrix} 13^\circ 38' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 13^\circ 38' \\ 70^\circ 32' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 25'00'' \\ 1^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 25'00'' \\ 4^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 35'35'' \\ 4^\circ 12'31'' \end{smallmatrix}$
9	m	$\left\{ \begin{smallmatrix} \frac{1}{3} \\ 13 \end{smallmatrix} \right.$	$\begin{smallmatrix} 113 \\ 131 \end{smallmatrix}$	$\begin{smallmatrix} 45^\circ 00' \\ 18^\circ 26' \end{smallmatrix}$	$\begin{smallmatrix} 25^\circ 14' \\ 72^\circ 27' \end{smallmatrix}$	$\begin{smallmatrix} 18^\circ 26' \\ 45^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 18^\circ 26' \\ 71^\circ 34' \end{smallmatrix}$	$\begin{smallmatrix} 17^\circ 33' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 17^\circ 33' \\ 64^\circ 45' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 33'33'' \\ 1^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 33'33'' \\ 3^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 47'14'' \\ 3^\circ 16'23'' \end{smallmatrix}$
10	q	$\left\{ \begin{smallmatrix} \frac{1}{2} \\ 12 \end{smallmatrix} \right.$	$\begin{smallmatrix} 112 \\ 121 \end{smallmatrix}$	$\begin{smallmatrix} 45^\circ 00' \\ 26^\circ 34' \end{smallmatrix}$	$\begin{smallmatrix} 35^\circ 16' \\ 65^\circ 54' \end{smallmatrix}$	$\begin{smallmatrix} 26^\circ 34' \\ 45^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 26^\circ 34' \\ 63^\circ 26' \end{smallmatrix}$	$\begin{smallmatrix} 24^\circ 05' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 24^\circ 05' \\ 54^\circ 44' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 50'00'' \\ 1^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 50'00'' \\ 2^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 70'71'' \\ 2^\circ 23'60'' \end{smallmatrix}$
11	p	$\left\{ 1 \right.$	$\begin{smallmatrix} 111 \end{smallmatrix}$	$\begin{smallmatrix} 45^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 54^\circ 44' \end{smallmatrix}$	$\begin{smallmatrix} " \end{smallmatrix}$	$\begin{smallmatrix} 45^\circ 00' \end{smallmatrix}$	$\begin{smallmatrix} 35^\circ 16' \end{smallmatrix}$	$\begin{smallmatrix} 35^\circ 16' \end{smallmatrix}$	$\begin{smallmatrix} " \end{smallmatrix}$	$\begin{smallmatrix} 1^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 1^\circ 41'42'' \end{smallmatrix}$
12	ψ	$\left\{ \begin{smallmatrix} \frac{1}{4}\frac{1}{2} \\ \frac{1}{2}2 \\ 24 \end{smallmatrix} \right.$	$\begin{smallmatrix} 124 \\ 142 \\ 241 \end{smallmatrix}$	$\begin{smallmatrix} 26^\circ 34' \\ 14^\circ 02' \\ 26^\circ 34' \end{smallmatrix}$	$\begin{smallmatrix} 29^\circ 12' \\ 64^\circ 07' \\ 77^\circ 23' \end{smallmatrix}$	$\begin{smallmatrix} 14^\circ 02' \\ 26^\circ 34' \\ 63^\circ 26' \end{smallmatrix}$	$\begin{smallmatrix} 26^\circ 34' \\ 63^\circ 26' \\ 75^\circ 58' \end{smallmatrix}$	$\begin{smallmatrix} 12^\circ 36' \\ " \\ 25^\circ 52' \end{smallmatrix}$	$\begin{smallmatrix} 25^\circ 52' \\ 60^\circ 47' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 25'00'' \\ 0^\circ 50'00'' \\ 2^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 50'00'' \\ 2^\circ 00'00'' \\ 4^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 55'59'' \\ 2^\circ 06'15'' \\ 4^\circ 47'21'' \end{smallmatrix}$
13	x	$\left\{ \begin{smallmatrix} \frac{1}{3}\frac{2}{3} \\ \frac{2}{3}\frac{1}{3} \\ 23 \end{smallmatrix} \right.$	$\begin{smallmatrix} 123 \\ 132 \\ 231 \end{smallmatrix}$	$\begin{smallmatrix} " \\ 18^\circ 26' \\ 33^\circ 41' \end{smallmatrix}$	$\begin{smallmatrix} 36^\circ 42' \\ 57^\circ 41' \\ 74^\circ 30' \end{smallmatrix}$	$\begin{smallmatrix} 18^\circ 26' \\ 26^\circ 34' \\ 63^\circ 26' \end{smallmatrix}$	$\begin{smallmatrix} 33^\circ 41' \\ 56^\circ 18' \\ 71^\circ 34' \end{smallmatrix}$	$\begin{smallmatrix} 15^\circ 30' \\ " \\ 32^\circ 18' \end{smallmatrix}$	$\begin{smallmatrix} 32^\circ 18' \\ 53^\circ 18' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 33'33'' \\ 0^\circ 50'00'' \\ 2^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 66'67'' \\ 1^\circ 50'00'' \\ 3^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 74'53'' \\ 1^\circ 58'11'' \\ 3^\circ 05'55'' \end{smallmatrix}$
14	S	$\left\{ \begin{smallmatrix} \frac{3}{4}\frac{4}{3} \\ \frac{4}{3}\frac{3}{4} \\ \frac{4}{3}\frac{3}{4} \end{smallmatrix} \right.$	$\begin{smallmatrix} 345 \\ 354 \\ 453 \end{smallmatrix}$	$\begin{smallmatrix} 36^\circ 52' \\ 30^\circ 58' \\ 38^\circ 39' \end{smallmatrix}$	$\begin{smallmatrix} 45^\circ 00' \\ 55^\circ 33' \\ 64^\circ 54' \end{smallmatrix}$	$\begin{smallmatrix} 30^\circ 58' \\ 36^\circ 52' \\ 53^\circ 08' \end{smallmatrix}$	$\begin{smallmatrix} 38^\circ 39' \\ 51^\circ 20' \\ 59^\circ 02' \end{smallmatrix}$	$\begin{smallmatrix} 25^\circ 06' \\ " \\ 34^\circ 27' \end{smallmatrix}$	$\begin{smallmatrix} 34^\circ 27' \\ 45^\circ 00' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 60'00'' \\ 0^\circ 75'00'' \\ 1^\circ 33'33'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 80'00'' \\ 1^\circ 25'00'' \\ 1^\circ 66'67'' \end{smallmatrix}$	$\begin{smallmatrix} 1^\circ 00'00'' \\ 1^\circ 45'77'' \\ 2^\circ 13'44'' \end{smallmatrix}$
15	Ω	$\left\{ \begin{smallmatrix} 1\frac{1}{8}\frac{8}{1} \\ 1\frac{1}{10}\frac{10}{1} \\ 10\frac{1}{18} \end{smallmatrix} \right.$	$\begin{smallmatrix} 1^\circ 10'18'' \\ 1^\circ 18'10'' \\ 10^\circ 18'1'' \end{smallmatrix}$	$\begin{smallmatrix} 5^\circ 42' \\ 3^\circ 11' \\ 29^\circ 03' \end{smallmatrix}$	$\begin{smallmatrix} 29^\circ 10' \\ 60^\circ 59' \\ 87^\circ 13' \end{smallmatrix}$	$\begin{smallmatrix} 3^\circ 11' \\ 5^\circ 42' \\ 84^\circ 17' \end{smallmatrix}$	$\begin{smallmatrix} 29^\circ 03' \\ 60^\circ 56' \\ 86^\circ 49' \end{smallmatrix}$	$\begin{smallmatrix} 2^\circ 47' \\ " \\ 29^\circ 01' \end{smallmatrix}$	$\begin{smallmatrix} 29^\circ 01' \\ 60^\circ 49' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 05'56'' \\ 0^\circ 10'00'' \\ 10^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 55'56'' \\ 1^\circ 80'00'' \\ 18^\circ 00'00'' \end{smallmatrix}$	$\begin{smallmatrix} 0^\circ 55'83'' \\ 1^\circ 80'28'' \\ 20^\circ 59'1'' \end{smallmatrix}$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
16	t	$\left\{ \begin{smallmatrix} \frac{3}{2} \\ 1\frac{1}{3} \end{smallmatrix} \right.$	334	45°00	46°41	36°52	36°52	30°58	30°58	0'7500	0'7500	1'0606
			343	36 52	59 02	45 00	53 08	"	43 19	1'0000	1'3333	1'6667
17	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
18	v	$\left\{ \begin{smallmatrix} \frac{1}{3} 1 \\ 3 \end{smallmatrix} \right.$	133	18 26	46 30	18 26	"	13 16	43 29	0'3333	"	1'0541
			331	45 00	76 44	71 34	71 34	43 29	"	3'0000	3'0000	4'2426
19	u	$\left\{ \begin{smallmatrix} \frac{1}{2} 1 \\ 2 \end{smallmatrix} \right.$	122	26 34	48 11	26 34	45 00	19 28	41 48	0'5000	1'0000	1'1180
			221	45 00	70 31	63 26	63 26	41 48	"	2'0000	2'0000	2'8284
20	w	$\left\{ \begin{smallmatrix} \frac{2}{3} 1 \\ \frac{3}{2} \end{smallmatrix} \right.$	233	33 41	50 14	33 41	45 00	25 14	39 45	0'6667	1'0000	1'2019
			332	45 00	64 45	56 18	56 18	39 45	"	1'5000	1'5000	2'1213
21	y	$\left\{ \begin{smallmatrix} \frac{1}{2} \frac{3}{2} \\ \frac{2}{3} \frac{4}{3} \\ \frac{3}{2} \frac{3}{2} \end{smallmatrix} \right.$	234	33 41	42 02	26 34	36 52	21 48	33 51	0'5000	0'7500	0'9014
			243	26 34	56 08	33 41	53 08	"	47 58	0'6667	1'3333	1'4907
			342	36 52	68 12	56 18	63 26	33 51	"	1'5000	2'0000	2'5000
22	x	$\left\{ \begin{smallmatrix} \frac{1}{3} \frac{2}{3} \\ \frac{2}{3} \frac{2}{3} \\ 23 \end{smallmatrix} \right.$	123	26 34	36 42	18 26	33 41	15 30	32 18	0'3333	0'6667	0'7453
			132	18 26	57 41	26 34	56 18	"	53 18	0'5000	1'5000	1'5811
			231	33 41	74 30	63 26	71 34	32 18	"	2'0000	3'0000	3'6055
23	ω	$\left\{ \begin{smallmatrix} \frac{1}{2} \frac{3}{2} \\ \frac{1}{3} \frac{4}{3} \\ 34 \end{smallmatrix} \right.$	134	18 26	38 19	14 02	36 52	11 18	36 02	0'2500	0'7500	0'7906
			143	14 02	53 57	18 26	53 08	"	51 40	0'3333	1'3333	1'3743
			341	36 52	78 41	71 34	75 58	36 02	"	3'0000	4'0000	5'0000
24	Σ	$\left\{ \begin{smallmatrix} \frac{1}{4} \frac{4}{4} \\ \frac{1}{2} \frac{3}{2} \\ 45 \end{smallmatrix} \right.$	145	14 02	39 30	11 18	38 39	8 52	38 06	0'2000	0'8000	0'8246
			154	11 18	51 53	14 02	51 20	"	50 29	0'2500	1'2500	1'2747
			451	38 39	81 07	75 58	78 41	38 07	"	4'0000	5'0000	6'4031
25	E	$\left\{ \begin{smallmatrix} \frac{3}{8} \frac{5}{8} \\ \frac{2}{3} \frac{8}{3} \\ \frac{5}{3} \frac{3}{5} \end{smallmatrix} \right.$	358	30 58	36 05	20 33	32 00	17 38	30 22	0'3750	0'6250	0'7289
			385	20 33	59 40	30 58	57 59	"	53 55	0'6000	1'6000	1'7088
			583	32 00	72 21	59 02	69 26	30 20	"	1'6667	2'6667	3'1446
26	D	$\left\{ \begin{smallmatrix} \frac{3}{10} \frac{7}{10} \\ \frac{2}{7} \frac{10}{7} \\ \frac{7}{3} \frac{10}{3} \end{smallmatrix} \right.$	3'7'10	23 12	37 17	16 42	34 59	13 48	33 50	0'3000	0'7000	0'7616
			3'10'7	16 42	56 09	23 12	55 00	"	52 42	0'4286	1'4286	1'4914
			7'10'3	34 59	76 11	66 48	73 18	33 50	"	2'3333	3'3333	4'0688

Graphit.

Hexagonal. Rhomboedrisch-hemiedrisch.

c = 1'386	lg c = 014176	lg a ₀ = 009680	lg p ₀ = 996569	a ₀ = 1'250	p ₀ = 0'924	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	o	0001	—	0°00	0°00	0°00	0°00	0°00	o	o	o
2	a	∞0	1010	0°00	90 00	"	90 00	"	90 00	"	∞	∞
3	π	10	1011	"	42 44	"	42 44	"	42 44	"	0'9240	0'9240
4	ν	30	3031	"	70 10	"	70 10	"	70 10	"	2'7721	2'7721
5	p.	1	1121	30 00	58 00	38 40	54 11	25 05	47 15	0'8002	1'3861	1'6005

Greenockit.

Hexagonal. Hemimorph.

$$c = 1.4061 \quad \lg c = 0.14802 \quad \lg a_0 = 0.09054 \quad \lg p_0 = 9.97193 \quad a_0 = 1.2318 \quad p_0 = 0.9374 \quad (G_1)$$

No.	Buchstaben	Symb.	Bravais	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg \rho$
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	m	∞0	1010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	n	∞	1120	30° 00	"	90° 00	"	30° 00	60° 00	0.5773	"	"
4	d	2∞	2130	19° 06'	"	"	"	19° 06'	70° 53'	0.3464	"	"
5	e	$\frac{1}{2}$ 0	1017	0° 00	7° 37'	0° 00	7° 37'	0° 00	7° 37'	o	0.1339	0.1339
6	a	$\frac{3}{2}$ 0	3'0'3'20	"	8° 00	"	8° 00	"	8° 00	"	0.1406	0.1406
7	f	$\frac{1}{3}$ 0	1015	"	10° 37'	"	10° 37'	"	10° 37'	"	0.1875	0.1875
8	i	$\frac{1}{2}$ 0	1012	"	25° 07'	"	25° 07'	"	25° 07'	"	0.4687	0.4687
9	k	$\frac{2}{3}$ 0	2023	"	32° 00	"	32° 00	"	32° 00	"	0.6249	0.6249
10	l	$\frac{3}{4}$ 0	3034	"	35° 06'	"	35° 06'	"	35° 06'	"	0.7030	0.7030
11	r	$\frac{1}{10}$	1011	"	43° 09'	"	43° 09'	"	43° 09'	"	0.9374	0.9374
12	y	$\frac{4}{3}$ 0	4043	"	51° 20'	"	51° 20'	"	51° 20'	"	1.2499	1.2499
13	p	$\frac{5}{6}$ 0	8085	"	56° 18'	"	56° 18'	"	56° 18'	"	1.4999	1.4999
14	q	$\frac{1}{4}$ 0	5053	"	57° 22'	"	57° 22'	"	57° 22'	"	1.5623	1.5623
15	u	$\frac{7}{2}$ 0	7074	"	58° 38'	"	58° 38'	"	58° 38'	"	1.6405	1.6405
16	s	20	2021	"	61° 55'	"	61° 55'	"	61° 55'	"	1.8748	1.8748
17	t	30	3031	"	70° 25'	"	70° 25'	"	70° 25'	"	2.8122	2.8122
18	B	$\frac{1}{3}$ 0	10'0'10'3	"	72° 15'	"	72° 15'	"	72° 15'	"	3.1247	3.1247
19	v	40	4041	"	75° 04'	"	75° 04'	"	75° 04'	"	3.7496	3.7496
20	C	50	5051	"	77° 57'	"	77° 57'	"	77° 57'	"	4.6871	4.6871
21	D	60	6061	"	79° 55'	"	79° 55'	"	79° 55'	"	5.6244	5.6244
22	z	1	1121	30° 00	58° 22'	39° 04'	54° 35'	25° 12'	47° 30'	0.8118	1.4061	1.6236

Guarinit.

Rhombisch.

$a = 0.9892$	$\lg a = 9.99528$	$\lg a_0 = 0.12464$	$\lg p_0 = 9.87536$	$a_0 = 1.3324$	$p_0 = 0.7505$
$c = 0.7424$	$\lg c = 9.87064$	$\lg b_0 = 0.12936$	$\lg q_0 = 9.87064$	$b_0 = 1.3470$	$q_0 = 0.7424$

No.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg \rho$
1	a	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	c	o∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞o	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	o	"

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y	d =tg ϱ
4	g	3 ∞	310	71° 45'	90° 00'	90° 00'	90° 00'	71° 45'	18° 15'	3'0328	∞	∞
5	f	2 ∞	210	63 41	"	"	"	63 41	26 19'	2'0218	"	"
6	e	∞	110	45 18'	"	"	"	45 18'	44 41'	1'0109	"	"
7	d	$\infty 2$	120	26 49	"	"	"	26 49	63 11	0'5054	"	"
8	y	0 $\frac{1}{2}$	012	0 00	20 22	0 00	20 22	0 00	20 22	0	0'3712	0'3712
9	x	01	011	"	36 35'	"	36 35'	"	36 35'	"	0'7424	0'7424

Gyps.

Monoklin.

a = 0'6895	lg a = 983853	lg a ₀ = 022226	lg p ₀ = 977774	a ₀ = 1'6682	p ₀ = 0'5994
c = 0'4133	lg c = 961627	lg b ₀ = 038373	lg q ₀ = 961093	b ₀ = 2'4195	q ₀ = 0'4083
$\mu_{180-\beta} = 81^{\circ}02'$	lg h = 999466 lg sin μ	lg e = 919273 lg cos μ	lg $\frac{p_0}{q_0}$ = 016681	h = 0'9878	e = 0'1559

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00'	8° 58'	8° 58'	0° 00'	8° 58'	0° 00'	0'1578	0	0'1578
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	z	3 ∞	310	77 12'	"	"	90 00	77 12'	12 47'	4'4048	∞	"
5	a	2 ∞	210	71 11'	"	"	"	71 11'	18 48'	2'9365	"	"
6	ψ	$\frac{3}{2}\infty$	320	65 35	"	"	"	65 35	24 25	2'2024	"	"
7	f	∞	110	55 44'	"	"	"	55 44'	34 15'	1'4683	"	"
8	g	$\infty \frac{2}{3}$	230	44 23'	"	"	"	44 23'	45 36'	0'9788	"	"
9	δ	$\frac{2}{3}\infty$	350	41 22'	"	"	"	41 22'	48 37'	0'8810	"	"
10	h	$\infty 2$	120	36 17	"	"	"	36 17	53 43	0'7341	"	"
11	i	$\infty \frac{3}{2}$	250	30 25'	"	"	"	30 25'	59 34'	0'5873	"	"
12	k	$\infty 3$	130	26 05	"	"	"	26 05	63 55	0'4894	"	"
13	r	$\infty 4$	140	20 09'	"	"	"	20 09'	69 50'	0'3670	"	"
14	γ	0 $\frac{2}{3}$	023	29 48	17 37	8 58	15 24'	8 39	15 13'	0'1578	0'2755	0'3175
15	v	01	011	20 54	23 52	"	22 27'	8 18	22 12'	"	0'4133	0'4424
16	d	+10	101	90 00	37 24	37 24	0 00	37 24	0 00	0'7646	0	0'7646
17	λ	+ $\frac{1}{3}0$	103	"	19 48	19 48	"	19 48	"	0'3601	"	0'3601
18	e	- $\frac{1}{3}0$	103	90 00	2 32'	2 32'	"	2 32'	"	0'0444	"	0'0444
19	β	- $\frac{5}{3}0$	309	"	10 10	10 10	"	10 10	"	0'1793	"	0'1793
20	t	-10	101	"	24 11	24 11	"	24 11	"	0'4490	"	0'4490
21	l	+1	111	61 36'	41 00	37 24	22 27'	35 15	18 10'	0'7646	0'4133	0'8692

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
22	n	—1	111	47° 22'	31° 23'	24° 11'	22° 27'	22° 32'	20° 39'	0° 4489'	0° 4133'	0° 6103'
23	u	— $\frac{1}{3}$	133	6° 06'	22° 34'	2° 32'	"	2° 21'	22° 26'	0° 0444'	"	0° 4157'
24	y	+13	131	31° 39'	55° 32'	37° 24'	51° 07'	25° 38'	44° 34'	0° 7646'	1° 2399'	1° 4567'
25	x	—12	121	28° 30'	43° 15'	24° 11'	39° 34'	19° 05'	37° 01'	0° 4489'	0° 8266'	0° 9407'
26	s	—13	131	19° 54'	52° 49'	"	51° 07'	15° 44'	48° 31'	"	1° 2399'	1° 3187'
27	μ	+ $\frac{2}{3}$	995	59° 14'	55° 29'	51° 20'	36° 39'	45° 05'	24° 55'	1° 2501'	0° 7439'	1° 4547'
28	w	— $\frac{1}{3}$	113	17° 53'	8° 14'	2° 33'	7° 50'	2° 31'	7° 50'	0° 0444'	0° 1377'	0° 1448'
29	σ	— $\frac{1}{2}$	234	25° 09'	18° 54'	8° 17'	17° 13'	7° 55'	17° 03'	0° 1455'	0° 3100'	0° 3425'
30	ξ	+ $\frac{1}{3}$	123	52° 34'	24° 23'	19° 48'	15° 24'	19° 08'	14° 32'	0° 3605'	0° 2755'	0° 4534'

Hämafibril.

Rhomboisch.

a = 0° 9142	lg a = 996104	lg a ₀ = 972109	lg p ₀ = 027891	a ₀ = 0° 5261	p ₀ = 1° 9007
c = 1° 7376	lg c = 023995	lg b ₀ = 976005	lg q ₀ = 023995	b ₀ = 0° 5755	q ₀ = 1° 7376

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	b	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	10	101	90° 00	62° 15	62° 15	"	62° 15	"	1° 9007	"	1° 9007
3	e	$\frac{1}{2}$	112	47° 34	52° 10	43° 32'	40° 59	35° 39'	32° 12	0° 9503	0° 8689	1° 2876

Haidingerit.

Rhomboisch.

a = 0° 8391	lg a = 992381	lg a ₀ = 992503	lg p ₀ = 007497	a ₀ = 0° 8415	p ₀ = 1° 1884
c = 0° 9972	lg c = 999878	lg b ₀ = 000122	lg q ₀ = 999878	b ₀ = 1° 0028	q ₀ = 0° 9972

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	d	0∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	f	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	e	∞	110	50° 00	"	"	90° 00	50° 00	40° 00	1° 1917'	∞	"
4	a	0 $\frac{1}{2}$	012	0° 00	26° 30	0° 00	26° 30	0° 00	26° 30	0	0° 4986	0° 4986
5	g	$\frac{1}{2}$ 0	104	90° 00	16° 33	16° 33	0° 00	16° 33	0° 00	0° 2971	0	0° 2971
6	h	10	101	"	49° 55	49° 55	"	49° 55	"	1° 1884	"	1° 1884
7	i	20	201	"	67° 11	67° 11	"	67° 11	"	2° 3768	"	2° 3768
8	n	$\frac{2}{3}$ 1	544	56° 08	60° 48	56° 03	44° 55	46° 27	29° 07	1° 4855	0° 9972	1° 7802
9	m	21	211	67° 14'	68° 47'	67° 11'	"	59° 17'	21° 08'	2° 3768	"	2° 5770

Hambergit.**Rhombisch.**

$a = 0.7988$	$\lg a = 990244$	$\lg a_0 = 004103$	$\lg p_0 = 995897$	$a_0 = 1.0991$	$p_0 = 0.9098$
$c = 0.7268$	$\lg c = 986141$	$\lg b_0 = 013859$	$\lg q_0 = 986141$	$b_0 = 1.3759$	$q_0 = 0.7268$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	$\infty 0$	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	m	∞	110	51 23	"	"	90° 00	51 23	38 37	1.2519	∞	"
4	e	01	011	0° 00	36° 00	0° 00	36° 00	0° 00	36° 00	0	0.7268	0.7268

Hamlinit.**Hexagonal. Rhomboedrisch-homiedrisch.**

$c = 1.1353$	$\lg c = 005511$	$\lg a_0 = 018345$	$\lg p_0 = 987902$	$a_0 = 1.5256$	$p_0 = 0.7569$	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	r	+1	1121	30° 00	52 40	33 14	48 37	23 25	43 31	0.6555	1.1353	1.3109
3	f	-2	2241	"	69 07	52 40	66 14	27 51	54 01	1.3109	2.2706	2.6219

Hanksit.**Hexagonal. Holloedrisch.**

$c = 1.7563$	$\lg c = 024459$	$\lg a_0 = 999397$	$\lg p_0 = 006850$	$a_0 = 0.9862$	$p_0 = 1.1709$	(G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	$\infty 0$	1010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	?p	$\frac{4}{3} 0$	4045	"	43 07	"	43 07	"	43 07	"	0.9367	0.9367
4	o	10	1011	"	49 30	"	49 30	"	49 30	"	1.1709	1.1709
5	s	20	2021	"	66 52	"	66 52	"	66 52	"	2.3417	2.3417

Hannayit.

Triklin.

$p_0 = 1.4497$	$\lambda = 73^\circ 15'$	$a = 0.6990$	$\alpha = 122^\circ 31'$	$x_0 = 0.3288$	$d = 0.4372$
$q_0 = 0.9627$	$\mu = 65^\circ 28'$	$b = 1$	$\beta = 126^\circ 46'$	$y_0 = 0.2882$	$\delta = 48^\circ 46'$
$r_0 = 1$	$\nu = 112^\circ 58'$	$c = 0.9743$	$\gamma = 54^\circ 09'$	$h = 0.8994$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	c	0	001	48° 46'	25° 55'	20° 05'	17° 46'	19° 12'	16° 45'	0.3656	0.3204	0.4862
2	a	$\infty 0$	100	112° 58'	90° 00'	90° 00'	90° 00'	67° 02'	32° 58'	2.3595	∞	\sim
3	l	~ 3	130	29° 53'	"	"	90° 00'	29° 53'	60° 07'	0.5747	"	"
4	n	\sim	110	73° 26'	"	"	"	73° 26'	16° 34'	3.3621	"	"
5	m	$\sim \infty$	110	138° 52'	"	"	90° 00'	41° 08'	48° 52'	0.8733	"	"
6	o	$\frac{1}{3} 1$	133	166° 49'	29° 31'	7° 21'	38° 52'	6° 27'	38° 40'	0.1290	0.5513	0.5662

Harmotom.

Monoklin.

$a = 0.7031$	$\lg a = 984702$	$\lg a_0 = 975676$	$\lg p_0 = 024324$	$a_0 = 0.5712$	$p_0 = 1.7508$
$c = 1.2310$	$\lg c = 009026$	$\lg b_0 = 990974$	$\lg q_0 = 000451$	$b_0 = 0.8123$	$q_0 = 1.0139$
$\mu = \frac{1}{180} \beta 55^\circ 10'$	$\lg h = \frac{1}{991425}$	$\lg e = \frac{1}{975678}$	$\lg \frac{p_0}{q_0} = 023873$	$h = 0.8208$	$e = 0.5712$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	a	0	001	90° 00'	34° 50'	34° 50'	0° 00'	34° 50'	0° 00'	0.6959	0	0.6959
2	b	0∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
3	s	$\infty 0$	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
4	v	4∞	410	81° 47'	"	"	90° 00'	81° 47'	8° 12'	6.9309	∞	"
5	w	$\frac{2}{3} \sim$	520	77° 00'	"	"	"	77° 00'	13° 00'	4.3318	"	"
6	p	∞	110	60° 00'	"	"	"	60° 00'	29° 59'	1.7327	"	"
7	e	$\frac{1}{2} 0$	702	90° 00'	83° 01'	83° 01'	0° 00'	83° 01'	0° 00'	8.1613	0	8.1613
8	t	$\frac{1}{10}$	101	"	70° 32'	70° 32'	"	70° 32'	"	2.8287	"	2.8287
9	f	-10	101	90° 00'	55° 10'	55° 10'	"	55° 10'	"	1.4371	"	1.4371

Harstigit.**Rhombisch.**

$a = 0.7141$	$\lg a = 985376$	$\lg a_0 = 984733$	$\lg p_0 = 015267$	$a_0 = 0.7036$	$p_0 = 1.4213$
$c = 1.0149$	$\lg c = 000643$	$\lg b_0 = 999357$	$\lg q_0 = 000643$	$b_0 = 0.9853$	$q_0 = 1.0149$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	∞	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	n	2∞	210	70° 21	"	"	90° 00	70° 21	19° 39	2.8008	∞	"
4	m	\sim	110	54° 28	"	"	"	54° 28	35° 32	1.4004	"	"
5	p	01	011	0° 00	45° 25'	0° 00	45° 25'	0° 00	45° 25'	0	1.0149	1.0149
6	s	$\frac{1}{2}1$	122	35° 00	51° 05'	35° 24	"	26° 30'	39° 36	0.7106	"	1.2390

Hatchettolith.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} - \\ 0° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \sim \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	m	$\left\{ \begin{array}{l} \frac{1}{2} \\ 13 \end{array} \right.$	$\left\{ \begin{array}{l} 113 \\ 131 \end{array} \right.$	$\left\{ \begin{array}{l} 45° 00 \\ 18° 26 \end{array} \right.$	$\left\{ \begin{array}{l} 25° 14' \\ 72° 27 \end{array} \right.$	$\left\{ \begin{array}{l} 18° 26 \\ 45° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 18° 26 \\ 71° 34 \end{array} \right.$	$\left\{ \begin{array}{l} 17° 33 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 17° 33 \\ 64° 45' \end{array} \right.$	$\left\{ \begin{array}{l} 0.3333 \\ 1.0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0.3333 \\ 3.0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0.4714 \\ 3.1623 \end{array} \right.$
3	p	1	111	45° 00	54° 44	"	45° 00	35° 16	35° 16	"	1.0000	1.4142

Hauchecornit.**Tetragonal.**

$\left. \begin{array}{l} c \\ p_0 \end{array} \right\} = 1.0521$	$\lg c = 002206$	$\lg a_0 = 997794$	$a_0 = 0.9505$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	$0\sim$	010	0° 00	90° 00	"	90° 00	"	90° 00	"	\sim	∞
3	m	∞	110	45° 00	"	90° 00	"	45° 00	45° 00	1.0000	"	"
4	e	01	011	0° 00	46° 27'	0° 00	46° 27'	0° 00	46° 27'	0	1.0521	1.0521
5	q	$\frac{1}{2}$	112	45° 00	36° 39	27° 45	27° 45	24° 58	24° 58	0.5260	0.5260	0.7439
6	p	1	111	"	56° 05'	46° 27'	46° 27'	35° 56	35° 56	1.0521	1.0521	1.4879

Hauerit.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ρ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
		∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
2	a	$0\frac{1}{3}$	013	"	18 26	"	18 26	"	18 26	"	0'3333	0'3333
		03	031	"	71 34	"	71 34	"	71 34	"	3'0000	3'0000
		$\infty 3$	130	18 26	90 00	90 00	90 00	18 26	"	0'3333	∞	∞
3	e	$0\frac{1}{2}$	012	0 00	26 34	0 00	26 34	0 00	26 34	0	0'5000	0'5000
		02	021	"	63 26	"	63 26	"	63 26	"	2'0000	2'0000
		$\infty 2$	120	26 34	90 00	90 00	90 00	26 34	"	0'5000	∞	∞
4	d	01	011	0 00	45 00	0 00	45 00	0 00	45 00	0	1'0000	1'0000
		∞	110	45 00	90 00	90 00	90 00	45 00	"	1'0000	∞	∞
5	p	1	111	"	54 44	45 00	45 00	35 16	35 16	"	1'0000	1'4142
6	x	$\frac{1}{3}\frac{2}{3}$	123	26 34	36 42	18 26	33 41'	15 30	32 18'	0'3333	0'6667	0'7453
		$\frac{1}{2}\frac{1}{2}$	132	18 26	57 41'	26 34	56 18'	"	53 18	0'5000	1'5000	1'5811
		23	231	33 41'	74 30	63 26	71 34	32 18'	"	2'0000	3'0000	3'6055

Hausmannit.**Tetragonal.**

$\frac{c}{p_0} \} = 1'1554$	$lg c = 006273$	$lg a_0 = 993727$	$a_0 = 0'8655$
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No.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ρ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	∞	110	45° 00	90 00	90 00	90 00	45 00	45 00	1'0000	∞	∞
3	d	01	011	0 00	49 07'	0 00	49 07'	0 00	49 07'	0	1'1554	1'1554
4	f	02	021	"	66 36	"	66 36	"	66 36	"	2'3107	2'3107
5	s	$\frac{1}{3}$	113	45 00	28 34'	21 04	21 04	19 46	19 46	0'3851	0'3851	0'5446
6	?z	$\frac{5}{11}$	5'5'11	"	36 36	27 42'	27 42'	24 56	24 56	0'5252	0'5252	0'8170
7	σ	$\frac{1}{2}$	112	"	39 15	30 01	30 01	26 34'	26 34'	0'5777	0'5777	0'7742
8	v	$\frac{3}{5}$	335	"	44 26	34 44	34 44	29 40'	29 40'	0'6932	0'6932	0'9804
9	u	$\frac{2}{3}$	223	"	47 27	37 36'	37 36'	31 23'	31 23'	0'7702	0'7702	1'0893
10	e	1	111	"	58 32	49 07'	49 07'	37 05'	37 05'	1'1553	1'1553	1'6339
11	n	2	221	"	72 59	66 36	66 36	42 32'	42 32'	2'3108	2'3108	3'2670
12	r	$\frac{1}{3}1$	133	18 26	50 36'	21 04	49 07'	14 09	47 09'	0'3851	1'1554	1'2170
13	t	$\frac{1}{4}1$	144	14 02	49 59	16 06'	"	10 42	47 59	0'2888	"	1'1909

Hauyn.

Regulär.

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{Bmatrix} 0 \\ 0\infty \end{Bmatrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	e	$\begin{Bmatrix} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{Bmatrix}$	$\begin{matrix} 012 \\ 021 \\ 120 \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ " \end{matrix}$	$\begin{matrix} " \\ " \\ 0^\circ 5000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$
3	d	$\begin{Bmatrix} 01 \\ \infty \end{Bmatrix}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
4	q	$\begin{Bmatrix} \frac{1}{2} \\ 12 \end{Bmatrix}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7071 \\ 2^\circ 2360 \end{matrix}$
5	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1°0000	1°4142

Hedyphan.

Hexagonal. Holoeidrisch.

c = 1'2234	lg c = 008757	lg a ₀ = 015099	lg p ₀ = 991148	a ₀ = 1'4125	p ₀ = 0'8156	(G ₁)
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N ^o .	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	$\infty 0$	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	r	$\frac{1}{2} 0$	1012	"	22 11	"	22 11	"	22 11	"	0'4078	0'4078
4	x	10	1011	"	39 12	"	39 12	"	39 12	"	0'8156	0'8156
5	y	20	2021	"	58 29	"	58 29	"	58 29	"	1'6312	1'6312
6	v	$\frac{1}{2} 1$	1122	30 00	35 14	19 27	31 27	16 46	29 58	0'3532	0'6117	0'7063
7	s	1	1121	"	54 42	35 14	50 44	24 05	44 58	0'7063	1'2234	1'4127

Heldburgit.

Tetragonal.

$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0.75$	lg c = 987506	lg a ₀ = 012494	a ₀ = 1'3333
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N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	m	0 ∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	∞	110	45 00	"	90 00	"	45 00	45 00	1°0000	"	"
3	u	1	111	"	46 41	36 52	36 52	30 58	30 58	0'7500	0'7500	1°0606

Helvin.

Regulär. Tetraedrisch-hexaedrisch.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d lg d
1	c	$\begin{Bmatrix} 0 \\ \infty \end{Bmatrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	d	$\begin{Bmatrix} 01 \\ \infty \end{Bmatrix}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} " \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
3	pp'	+1	111	"	54 44	45 00	45 00	35 16	35 16	"	1°0000	1°4142
4	q	$\begin{Bmatrix} +\frac{1}{2} \\ +\frac{1}{2} \end{Bmatrix}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7071 \\ 2^\circ 2360 \end{matrix}$
5	w	$\begin{Bmatrix} +\frac{2}{3}1 \\ +\frac{3}{2} \end{Bmatrix}$	$\begin{matrix} 233 \\ 132 \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 50^\circ 14' \\ 64^\circ 45' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 56^\circ 18' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 56^\circ 18' \end{matrix}$	$\begin{matrix} 25^\circ 14' \\ 39^\circ 45' \end{matrix}$	$\begin{matrix} 39^\circ 45' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 6667 \\ 1^\circ 5000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ 1^\circ 5000 \end{matrix}$	$\begin{matrix} 1^\circ 2016 \\ 2^\circ 1213 \end{matrix}$

Herderit.

(Hydroherderit.)

Monoklin.

a = 0.6307	lg a = 979982	lg a ₀ = 999289	lg p ₀ = 000711	a ₀ = 0.9838	p ₀ = 1.0165
c = 0.6411	lg c = 980693	lg b ₀ = 019307	lg q ₀ = 980693	b ₀ = 1.5598	q ₀ = 0.6411
$\mu_{180-\beta} = \left. \begin{matrix} 89^\circ 54' \\ \lg \sin \mu \end{matrix} \right\} 0$		$\lg e = \left. \begin{matrix} 724188 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 020018$	h = 1.0000	e = 0.0017

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y'	d' = lg d
1	c	0	001	90°00'	0°06'	0°06'	0°00'	0°06'	0°00'	0°0017	0	0°0017
2	b	∞	010	0°00'	90°00'	0°00'	90°00'	0°00'	90°00'	0	∞	∞
3	a	∞0	100	90°00'	0°00'	90°00'	0°00'	90°00'	0°00'	∞	0	"
4	m	∞	110	57°45'	40°00'	"	40°00'	57°45'	32°14'	1°5855	∞	"
5	l	∞2	120	38°24'	"	"	"	38°24'	51°35'	0°7928	"	"
6	μ	∞3	130	27°51'	"	"	"	27°51'	62°08'	0°5285	"	"
7	u	0 $\frac{2}{3}$	023	0°14'	23°08'	0°06'	23°08'	0°05'	23°08'	0°0017	0°4274	0°4274
8	t	01	011	0°09'	32°40'	"	32°40'	0°05'	32°40'	"	0°6411	0°6411
9	v	02	021	0°04'	52°03'	"	52°03'	0°03'	52°03'	"	1°2822	1°2822
10	s	04	041	0°02'	68°42'	"	68°42'	0°02'	68°42'	"	2°5644	2°5644
11	d	+ $\frac{3}{2}$ 0	203	90°00'	34°11'	34°11'	0°00'	34°11'	0°00'	0°6794	0	0°6794
12	e	+10	101	"	45°31'	45°31'	"	45°31'	"	1°0182	"	1°0182
13	e	-10	101	00°00'	45°25'	45°25'	"	45°25'	"	1°0147	"	1°0147
14	b	-20	201	"	63°47'	63°47'	"	63°47'	"	2°1312	"	2°1312

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' $= \operatorname{tg} \varrho$
15	r	$+\frac{1}{3}$	113	57° 53'	21° 54'	18° 48'	12° 04'	18° 25'	11° 26'	0° 3405	0° 2137	0° 4020
16	p	$+\frac{2}{3}$	223	57° 49'	38° 45'	34° 11'	23° 08'	31° 59'	19° 28'	0° 6794	0° 4274	0° 8027
17	q	$+\frac{1}{1}$	111	57° 48'	50° 16'	45° 31'	32° 40'	40° 36'	24° 11'	1° 0182	0° 6411	1° 2032
18	q	-1	111	57° 43'	50° 12'	45° 25'	"	40° 30'	24° 13'	1° 0147	"	1° 2003
19	n	$+\frac{1}{2}$	221	57° 47'	67° 25'	63° 49'	52° 03'	51° 22'	29° 29'	2° 0347	1° 2822	2° 4050
20	n	-2	221	57° 44'	67° 24'	63° 47'	"	51° 19'	29° 31'	2° 0312	"	2° 4021
21	o	$+\frac{8}{3}$	883	57° 46'	72° 40'	69° 45'	59° 40'	53° 52'	30° 36'	2° 7124	1° 7096	3° 2062
22	j	$-\frac{1}{3}$	122	38° 18'	39° 15'	26° 51'	32° 40'	23° 05'	29° 46'	0° 5065	0° 6411	0° 8170
23	x	-12	121	38° 21'	58° 33'	45° 25'	52° 03'	31° 58'	41° 59'	1° 0147	1° 2822	1° 6352
24	w	$+\frac{1}{2}$	142	21° 41'	54° 04'	27° 01'	"	17° 25'	48° 48'	0° 5100	"	1° 3799
25	z	$-\frac{1}{2}$	132	27° 46'	47° 23'	26° 52'	43° 53'	20° 03'	40° 37'	0° 5065	0° 9617	1° 0864
26	p	-26	261	27° 50'	77° 03'	63° 47'	75° 25'	27° 04'	59° 31'	2° 0312	3° 8467	4° 3500
27	k	$+\frac{1}{3}$	123	38° 33'	28° 39'	18° 48'	23° 08'	17° 23'	22° 01'	0° 3405	0° 4274	0° 5465
28	r	$-\frac{1}{3}$	243	38° 20'	47° 27'	34° 03'	40° 32'	27° 11'	35° 18'	0° 6759	0° 8548	1° 0897

Herrengrundit.

Monoklin.

a = 1·8161	lg a = 025914	lg a ₀ = 011295	lg p ₀ = 988705	a ₀ = 1·2970	p ₀ = 0·7710
c = 1·4002	lg c = 014619	lg b ₀ = 985381	lg q ₀ = 014610	b ₀ = 0·7142	q ₀ = 1·3999
$\mu = 188^\circ 50'$	lg h = 1999991	lg e = 1830879	lg $\frac{p_0}{q_0}$ = 974095	h = 0·9998	e = 0·0204

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' $= \operatorname{tg} \varrho$
1	c	0	001	90° 00'	1° 10'	1° 10'	0° 00'	1° 10'	0° 00'	0° 0204	0	0° 0204
2	m	∞	110	28° 50'	90° 00'	90° 00'	90° 00'	28° 50'	61° 09'	0° 5507	∞	∞
3	γ	$\infty \frac{2}{3}$	450	34° 33'	"	"	"	34° 33'	55° 27'	0° 6884	"	"
4	η	$\infty \frac{1}{3}$	350	42° 33'	"	"	"	42° 33'	47° 27'	0° 9179	"	"
5	ε	$+\frac{1}{10}$	101	90° 00'	38° 22'	38° 22'	0° 00'	38° 22'	0° 00'	0° 7916	0	0° 7916
6	e	-10	101	90° 00'	36° 54'	36° 54'	"	36° 54'	"	0° 7508	"	0° 7508
7	q	-2	221	28° 31'	72° 35'	56° 41'	70° 21'	27° 06'	56° 58'	1° 5219	2° 8004	3° 1872

Hessenbergit.

Hexagonal (?)

$c = 2.707$	$\lg c = 0.43249$	$\lg a_0 = 9.80607$	$\lg p_0 = 0.25640$	$a_0 = 0.6398$	$p_0 = 1.8047$	(G_1)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	∞0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	i	4∞	4130	10 53'	"	"	"	10 53'	79 06'	0.1924	"	"
5	p	$\frac{1}{3}0$	1013	0 00	31 01	0 00	31 01	0 00	31 01	0	0.6014	0.6014
6	n	10	1011	"	61 00	"	61 00	"	61 00	"	1.8040	1.8040
7	e	$\frac{1}{6}$	1126	30 00	27 30'	14 35'	24 16'	13 21	23 35	0.2604	0.4510	0.5208

Hessit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	c	$\begin{Bmatrix} 0 \\ \infty \end{Bmatrix}$	$\begin{Bmatrix} 001 \\ 010 \end{Bmatrix}$	$\begin{Bmatrix} — \\ 0° 00 \end{Bmatrix}$	$\begin{Bmatrix} 0° 00 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 0° 00 \\ " \end{Bmatrix}$	$\begin{Bmatrix} 0° 00 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 0° 00 \\ " \end{Bmatrix}$	$\begin{Bmatrix} 0° 00 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 0 \\ " \end{Bmatrix}$	$\begin{Bmatrix} 0 \\ \infty \end{Bmatrix}$	$\begin{Bmatrix} 0 \\ \infty \end{Bmatrix}$
2	a	$\begin{Bmatrix} 0\frac{1}{3} \\ 03 \\ \sim 3 \end{Bmatrix}$	$\begin{Bmatrix} 013 \\ 031 \\ 130 \end{Bmatrix}$	$\begin{Bmatrix} " \\ " \\ 18 26 \end{Bmatrix}$	$\begin{Bmatrix} 18 26 \\ 71 34 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} " \\ " \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 18 26 \\ 71 34 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} " \\ 18 26 \end{Bmatrix}$	$\begin{Bmatrix} 18 26 \\ 71 34 \\ 18 26 \end{Bmatrix}$	$\begin{Bmatrix} " \\ " \\ 0.3333 \end{Bmatrix}$	$\begin{Bmatrix} 0.3333 \\ 3.0000 \\ \infty \end{Bmatrix}$	$\begin{Bmatrix} 0.3333 \\ 3.0000 \\ \infty \end{Bmatrix}$
3	e	$\begin{Bmatrix} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{Bmatrix}$	$\begin{Bmatrix} 012 \\ 021 \\ 120 \end{Bmatrix}$	$\begin{Bmatrix} 0 00 \\ " \\ 26 34 \end{Bmatrix}$	$\begin{Bmatrix} 26 34 \\ 63 26 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 0 00 \\ " \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 26 34 \\ 63 26 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 0 00 \\ " \\ 26 34 \end{Bmatrix}$	$\begin{Bmatrix} 26 34 \\ 63 26 \\ " \end{Bmatrix}$	$\begin{Bmatrix} 0 \\ " \\ 0.5000 \end{Bmatrix}$	$\begin{Bmatrix} 0.5000 \\ 2.0000 \\ \infty \end{Bmatrix}$	$\begin{Bmatrix} 0.5000 \\ 2.0000 \\ \infty \end{Bmatrix}$
4	d	$\begin{Bmatrix} 01 \\ \infty \end{Bmatrix}$	$\begin{Bmatrix} 011 \\ 110 \end{Bmatrix}$	$\begin{Bmatrix} 0 00 \\ 45 00 \end{Bmatrix}$	$\begin{Bmatrix} 45 00 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 0 00 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 45 00 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 0 00 \\ 45 00 \end{Bmatrix}$	$\begin{Bmatrix} 45 00 \\ " \end{Bmatrix}$	$\begin{Bmatrix} 0 \\ 1.0000 \end{Bmatrix}$	$\begin{Bmatrix} 1.0000 \\ \infty \end{Bmatrix}$	$\begin{Bmatrix} 1.0000 \\ \infty \end{Bmatrix}$
5	m	$\begin{Bmatrix} \frac{1}{3} \\ 13 \end{Bmatrix}$	$\begin{Bmatrix} 113 \\ 131 \end{Bmatrix}$	$\begin{Bmatrix} " \\ 18 26 \end{Bmatrix}$	$\begin{Bmatrix} 25 14' \\ 72 27 \end{Bmatrix}$	$\begin{Bmatrix} 18 26 \\ 45 00 \end{Bmatrix}$	$\begin{Bmatrix} 18 26 \\ 71 34 \end{Bmatrix}$	$\begin{Bmatrix} 17 33 \\ " \end{Bmatrix}$	$\begin{Bmatrix} 17 33 \\ 64 45' \end{Bmatrix}$	$\begin{Bmatrix} 0.3333 \\ 1.0000 \end{Bmatrix}$	$\begin{Bmatrix} 0.3333 \\ 3.0000 \end{Bmatrix}$	$\begin{Bmatrix} 0.4714 \\ 3.1623 \end{Bmatrix}$
6	q	$\begin{Bmatrix} \frac{1}{2} \\ 12 \end{Bmatrix}$	$\begin{Bmatrix} 112 \\ 121 \end{Bmatrix}$	$\begin{Bmatrix} 45 00 \\ 26 34 \end{Bmatrix}$	$\begin{Bmatrix} 35 16' \\ 65 54' \end{Bmatrix}$	$\begin{Bmatrix} 26 34 \\ 45 00 \end{Bmatrix}$	$\begin{Bmatrix} 26 34 \\ 63 26 \end{Bmatrix}$	$\begin{Bmatrix} 24 05' \\ " \end{Bmatrix}$	$\begin{Bmatrix} 24 05' \\ 54 44 \end{Bmatrix}$	$\begin{Bmatrix} 0.5000 \\ 1.0000 \end{Bmatrix}$	$\begin{Bmatrix} 0.5000 \\ 2.0000 \end{Bmatrix}$	$\begin{Bmatrix} 0.7071 \\ 2.2360 \end{Bmatrix}$
7	n	$\begin{Bmatrix} \frac{2}{3} \\ 1\frac{3}{2} \end{Bmatrix}$	$\begin{Bmatrix} 223 \\ 232 \end{Bmatrix}$	$\begin{Bmatrix} 45 00 \\ 33 41' \end{Bmatrix}$	$\begin{Bmatrix} 43 19' \\ 60 59 \end{Bmatrix}$	$\begin{Bmatrix} 33 41' \\ 45 00 \end{Bmatrix}$	$\begin{Bmatrix} 33 41' \\ 56 18' \end{Bmatrix}$	$\begin{Bmatrix} 29 01 \\ " \end{Bmatrix}$	$\begin{Bmatrix} 29 01 \\ 46 41 \end{Bmatrix}$	$\begin{Bmatrix} 0.6667 \\ 1.0000 \end{Bmatrix}$	$\begin{Bmatrix} 0.6667 \\ 1.5000 \end{Bmatrix}$	$\begin{Bmatrix} 0.9428 \\ 1.8028 \end{Bmatrix}$
8	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1.0000	1.4142
9	v	$\begin{Bmatrix} \frac{1}{3}1 \\ 3 \end{Bmatrix}$	$\begin{Bmatrix} 133 \\ 331 \end{Bmatrix}$	$\begin{Bmatrix} 18 26 \\ 45 00 \end{Bmatrix}$	$\begin{Bmatrix} 46 30' \\ 76 44 \end{Bmatrix}$	$\begin{Bmatrix} 18 26 \\ 71 34 \end{Bmatrix}$	$\begin{Bmatrix} " \\ 71 34 \end{Bmatrix}$	$\begin{Bmatrix} 13 16 \\ 43 29' \end{Bmatrix}$	$\begin{Bmatrix} 43 29' \\ " \end{Bmatrix}$	$\begin{Bmatrix} 0.3333 \\ 3.0000 \end{Bmatrix}$	$\begin{Bmatrix} " \\ 3.0000 \end{Bmatrix}$	$\begin{Bmatrix} 1.0541 \\ 4.2426 \end{Bmatrix}$
10	u	$\begin{Bmatrix} \frac{1}{2}1 \\ 2 \end{Bmatrix}$	$\begin{Bmatrix} 122 \\ 221 \end{Bmatrix}$	$\begin{Bmatrix} 26 34 \\ 45 00 \end{Bmatrix}$	$\begin{Bmatrix} 48 11' \\ 70 31' \end{Bmatrix}$	$\begin{Bmatrix} 26 34 \\ 63 26 \end{Bmatrix}$	$\begin{Bmatrix} 45 00 \\ 63 26 \end{Bmatrix}$	$\begin{Bmatrix} 19 28 \\ 41 48' \end{Bmatrix}$	$\begin{Bmatrix} 41 48' \\ " \end{Bmatrix}$	$\begin{Bmatrix} 0.5000 \\ 2.0000 \end{Bmatrix}$	$\begin{Bmatrix} 1.0000 \\ 2.0000 \end{Bmatrix}$	$\begin{Bmatrix} 1.1180 \\ 2.8284 \end{Bmatrix}$

Heulandit.

Monoklin.

$a = 0.4035$	$lga = 960584$	$lga_0 = 967210$	$lg p_0 = 032790$	$a_0 = 0.4700$	$p_0 = 2.1276$
$c = 0.8585$	$lg c = 993374$	$lgb_0 = 006626$	$lg q_0 = 993361$	$b_0 = 1.1648$	$q_0 = 0.8582$
$\mu = \left. \begin{matrix} 88^\circ 35' \\ 180 - \beta \end{matrix} \right\}$	$lgh = 999987$ $lg \sin \mu$	$lge = 839310$ $lg \cos \mu$	$lg \frac{p_0}{q_0} = 039429$	$h = 0.9997$	$e = 0.0247$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = tge
1	c	0	001	90° 00	1° 25	1° 25	0° 00	1° 25	0° 00	0.0247	0	0.0247
2	b	0∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
3	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	m	∞	110	68° 02	"	"	90° 00	68° 02	21° 58	2.4790	∞	"
5	x	01	011	1° 39	40° 39	1° 25	40° 39	1° 04	40° 38	0.0857	0.8585	0.8589
6	t	+10	101	90° 00	65° 05	65° 05	0° 00	65° 05	0° 00	2.1530	0	2.1530
7	s	-10	101	90° 00	64° 34	64° 34	"	64° 34	"	2.1035	"	2.1035
8	u	-1/2	112	67° 33	48° 21	46° 06	23° 14	43° 41	16° 34	1.0393	0.4292	1.1246
9	p	-1	111	67° 48	66° 14	64° 34	40° 39	57° 56	20° 14	2.1035	0.8585	2.2720

Hjelmit.

Rhombisch.

$a = 0.4645$	$lga = 966699$	$lga_0 = 965567$	$lg p_0 = 034433$	$a_0 = 0.4526$	$p_0 = 2.2097$
$c = 1.0264$	$lg c = 001132$	$lgb_0 = 998868$	$lg q_0 = 001132$	$b_0 = 0.9743$	$q_0 = 1.0264$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	m	∞	110	65° 05	90° 00	90° 00	90° 00	65° 05	24° 55	2.1529	∞	∞
2	p	∞ 2	230	55° 08	"	"	"	55° 08	34° 52	1.4352	"	"
3	r	10	101	90° 00	65° 39	65° 39	0° 00	65° 39	0° 00	2.2097	0	2.2097
4	q	20	201	"	77° 15	77° 15	"	77° 15	"	4.4194	"	4.4194

Hieratit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	c	$\left\{ \begin{matrix} 0 \\ 0\infty \end{matrix} \right.$	$\left\{ \begin{matrix} 001 \\ 010 \end{matrix} \right.$	$\left\{ \begin{matrix} - \\ 0^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 0 \\ \infty \end{matrix} \right.$
2	p	I	111	45° 00	54° 44	45° 00	45° 00	35° 16	35° 16	1.0000	1.0000	1.4142

Hintzeit.**Monoklin.**

$a = 2.1937$	$\lg a = 0.34120$	$\lg a_0 = 0.10220$	$\lg p_0 = 9.89780$	$a_0 = 1.2653$	$p_0 = 0.7903$
$c = 1.7338$	$\lg c = 0.23900$	$\lg b_0 = 9.76100$	$\lg q_0 = 0.23262$	$b_0 = 0.5768$	$q_0 = 1.7085$
$\mu = \left. \begin{matrix} 80^\circ 12' \\ 180 - \beta \end{matrix} \right\}$	$\lg h = \left. \begin{matrix} 9.99362 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 9.23098 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 9.66518$	$h = 0.9854$	$e = 0.1702$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00'	9° 48'	9° 48'	0° 00'	9° 48'	0° 00'	0.1727	0	0.1727
2	a	$\infty 0$	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	m	∞	110	24 49'	"	"	90 00	24 49'	65 10'	0.4625	∞	"
4	x	-10	101	90 00	32 11	32 11	0 00	32 11	0 00	0.6292	0	0.6292
5	n	$+1$	111	29 20'	63 18'	44 16'	60 01'	25 58'	51 09'	0.9747	1.7338	1.9890
6	r	$+31$	311	56 05'	72 10'	68 48'	"	52 11'	32 05'	2.5786	"	3.1073
7	o	$-\frac{1}{2}$	112	14 45'	41 52'	12 51'	40 55'	9 47'	40 12'	0.2283	0.8669	0.8964

Hiortdahlit.**Triklin.**

$p_0 = 0.3518$	$\lambda = 90^\circ 37'$	$a = 0.9983$	$\alpha = 89^\circ 22'$	$x_0 = 0.0109$	$d = 0.0152$
$q_0 = 0.3512$	$\mu = 89^\circ 23'$	$b = 1$	$\beta = 90^\circ 37'$	$y_0 = 0.0106$	$\delta = 44^\circ 15'$
$r_0 = 1$	$\nu = 89^\circ 53'$	$c = 0.3512$	$\gamma = 90^\circ 06'$	$h = 0.9999$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	b	0 ∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
2	a	$\infty 0$	100	89 53'	"	90 00	"	89 53'	0 07'	491.1	"	"
3	g	$\infty 2$	120	26 35'	"	"	"	26 35'	63 25'	0.5003	"	"
4	m	∞	110	44 59'	"	"	"	44 59'	45 00'	0.9997	"	"
5	l	2∞	210	63 23'	"	"	"	63 23'	26 37'	1.9955	"	"
6	h	$2\overline{\infty}$	210	116 26'	"	"	90 00	63 34'	26 26'	2.0115	"	"
7	M	$\infty\overline{\infty}$	110	134 53'	"	"	"	45 06'	64 53'	1.0037	"	"
8	k	$\infty 2$	120	153 22'	"	"	"	26 37'	63 22'	0.5013	"	"
9	v	10	101	88 14'	19 57'	19.56'	0 38'	19 56'	0 36'	0.3627	0.0112	0.3629
10	p	1	111	45 01'	27 09'	"	19 55'	18 50'	18 49'	"	0.3624	0.5128
11	e	11	111	133 09'	26 26'	"	18 47'	18 57'	17 43'	"	0.3400	0.4972
12	g	1	111	135 01'	25 45'	18 49'	18 50'	17 53'	17 54'	0.3409	0.3412	0.4824
13	x	31	311	71 10'	48 24'	46 50'	19 59'	45 04'	13 58'	1.0664	0.3636	1.1267
14	z	31	311	107 37'	48 13'	"	18 43'	45 17'	13 03'	"	0.3388	1.1100
15	y	31	311	108 09'	47 42'	46 15'	18 54'	44 40'	13 19'	1.0446	0.3424	1.0993

Homilit.

Monoklin.

$a = 0.6249$	$lg a = 979581$	$lg a_0 = 968778$	$lg p_0 = 031222$	$a_0 = 0.4873$	$p_0 = 2.0522$
$c = 1.2824$	$lg c = 010803$	$lg b_0 = 989197$	$lg q_0 = 010800$	$b_0 = 0.7798$	$q_0 = 1.2823$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 89^\circ 21'$	$lg h = \left. \begin{matrix} 999997 \\ lg \sin \mu \end{matrix} \right\}$	$lg e = \left. \begin{matrix} 805478 \\ lg \cos \mu \end{matrix} \right\}$	$lg \frac{p_0}{q_0} = 020422$	$h = 0.9999$	$e = 0.0113$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x'}{(Prismen)} (x:y)$	y'	$d' = tg \varrho$
1	c	o	001	90° 00'	0° 39'	0° 39'	0° 00'	0° 39'	0° 00'	0.0113	0	0.0113
2	b	o ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	n	∞	110	58 00	"	"	90 00	58 00	32 00	1.6003	∞	"
5	l	$\infty 2$	120	38 40	"	"	"	38 40	51 20	0.8002	"	"
6	π	$0 \frac{2}{3}$	027	1 46'	20 08	0 39	20 07	0 36	20 07	0.0113	0.3664	0.3666
7	e	$0 \frac{1}{3}$	013	1 31	23 09	"	23 09	0 36	23 08	"	0.4275	0.4276
8	w	$0 \frac{1}{2}$	012	1 01	32 40	"	32 40	0 33	32 40	"	0.6412	0.6413
9	g	$0 \frac{3}{4}$	034	0 40	43 53	"	43 53	0 28	43 53	"	0.9618	0.9619
10	q	01	011	0 30	52 03	"	52 03	0 24	52 03	"	1.2824	1.2825
11	ϱ	$0 \frac{8}{9}$	098	0 27	55 16	"	55 16	0 22	55 16	"	1.4427	1.4427
12	y	02	021	0 15	68 42	"	68 42	0 14	68 42	"	2.5648	2.5648
13	x	$\frac{1}{2} 0$	102	90 00	46 03	46 03	0 00	46 03	0 00	1.0375	0	1.0375
14	p	$\frac{1}{3} 1$	111	58 08	67 38	64 09	52 03	51 45	29 13	2.0636	1.2824	2.4296
15	β	$\frac{1}{2} 1$	112	58 17	50 39	46 03	32 40	41 08	23 59	1.0375	0.6412	1.2196
16	δ	$-\frac{1}{2}$	114	57 25	30 46	26 38	17 46	25 32	15 59	0.5017	0.3206	0.5954
17	o	-1	111	57 51	67 28	63 54	52 03	51 27	29 26	2.0410	1.2824	2.4104
18	Y	$+\frac{1}{2} 1$	122	38 58	58 46	46 03	"	32 32	41 40	1.0375	"	1.6495
19	n	$+\frac{1}{2} \frac{1}{2}$	124	39 16	39 38	27 40	32 40	23 49	29 35	0.5244	0.6412	0.8283
20	π	$+\frac{1}{6} \frac{1}{2}$	2.5.10	33 20	37 30	22 52	"	19 33	30 34	0.4217	"	0.7675
21	v	$+\frac{1}{2} \frac{1}{2}$	1.6.12	15 52	33 41	10 20	"	8 43	32 14	0.1841	"	0.6666
22	γ	$+\frac{1}{2} 2$	421	72 40	83 22	83 04	68 42	71 29	17 12	8.2207	2.5648	8.6114
23	a	-42	421	72 37	83 21	83 03	"	71 26	17 15	8.1980	"	8.5900

Hopeit.

Rhomboisch.

$a = 0.5723$	$\lg a = 975762$	$\lg a_0 = 008386$	$\lg p_0 = 991614$	$a_0 = 1.2130$	$p_0 = 0.8244$
$c = 0.4718$	$\lg c = 967376$	$\lg b_0 = 032624$	$\lg q_0 = 967376$	$b_0 = 2.1195$	$q_0 = 0.4718$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	000	010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	b	∞0	100	90°00	"	90°00	0°00	90°00	0°00	∞	0	"
4	?y	300	310	79 12	"	"	90°00	79 12	10 48	5.2420	∞	"
5	x	$\frac{3}{2}$ 00	320	69 07	"	"	"	69 07	20 53	2.6210	"	"
6	m	∞	110	60 13	"	"	"	60 13	29 47	1.7473	"	"
7	s	∞2	120	41 08	"	"	"	41 08	48 51	0.8737	"	"
8	u	$\frac{1}{2}$ 0	103	90 00	15 22	15 22	0°00	15 22	0°00	0.2748	0	0.2748
9	e	10	101	"	39 30	39 30	"	39 30	"	0.8244	"	0.8244
10	?d	20	201	"	58 46	58 46	"	58 46	"	1.6488	"	1.6488
11	r	1	111	60 13	43 31	30 30	25 15	36 42	20 00	0.8244	0.4718	0.9499

Humboldttilith.

Tetragonal.

$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0.4548$	$\lg c = 965782$	$\lg a_0 = 034218$	$a_0 = 2.1987$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	000	010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	m	∞	110	45°00	"	90°00	"	45°00	45°00	1.0000	"	"
4	f	∞2	120	26 34	"	"	"	26 34	63 26	0.5000	"	"
5	e	01	011	0°00	24 27	0°00	24 27	0°00	24 27	0	0.4548	0.4548
6	r	1	111	45°00	32 45	24 27	"	22 29	22 29	0.4548	"	0.6432

Humit.

Rhombisch.

$a = 2.2007$	$\lg a = 0.34256$	$\lg a_0 = 0.30902$	$\lg p_0 = 969098$	$a_0 = 2.0371$	$p_0 = 0.4909$
$c = 1.0803$	$\lg c = 0.03354$	$\lg b_0 = 996646$	$\lg q_0 = 003354$	$b_0 = 0.9257$	$q_0 = 1.0803$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	00	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	B	$\frac{5}{2}0$	520	48 38'	"	"	90 00	48 38'	51 21'	1'1360	∞	"
5	C	$\frac{3}{2}0$	320	34 16'	"	"	"	34 16'	55 43'	0'6816	"	"
6	E	∞2	120	12 48	"	"	"	12 48	77 12	0'2272	"	"
7	L	0 $\frac{2}{3}$	023	0 00	35 45'	0 00	35 45'	0 00	35 45'	0	0'7202	0'7202
8	M	01	011	"	47 12'	"	47 12'	"	47 12'	"	1'0803	1'0803
9	N	02	021	"	65 10	"	65 10	"	65 10	"	2'1606	2'1606
10	R	$\frac{1}{2}0$	104	90 00	7 00	7 00	0 00	7 00	0 00	0'1227	0	0'1227
11	W	$\frac{1}{2}0$	102	"	13 47'	13 47'	"	13 47'	"	0'2454	"	0'2454
12	P	10	101	"	26 08	26 08	"	26 08	"	0'4909	"	0'4909
13	a	$\frac{7}{8}0$	706	"	29 48	29 48	"	29 48	"	0'5727	"	0'5727
14	Y	$\frac{3}{4}0$	302	"	36 22	36 22	"	36 22	"	0'7363	"	0'7363
15	O	20	201	"	44 28'	44 28'	"	44 28'	"	0'9818	"	0'9818
16	K	$\frac{5}{2}0$	502	"	50 49'	50 49'	"	50 49'	"	1'2272	"	1'2272
17	G	$\frac{3}{2}0$	301	"	55 49'	55 49'	"	55 49'	"	1'4726	"	1'4726
18	b	$\frac{7}{2}0$	702	"	59 48	59 48	"	59 48	"	1'7181	"	1'7181
19	e	1	111	24 26	49 52'	26 08'	47 20'	18 26'	44 07	0'4909	1'0803	1'1866
20	d	2	221	"	67 09	44 28'	65 10	22 24'	57 02	0'9817	2'1606	2'3732
21	n	$\frac{1}{2}1$	122	12 48	47 55'	13 47'	47 20'	9 28	46 22'	0'2454	1'0803	1'1078
22	r	$\frac{3}{2}1$	322	34 16'	52 35	36 22	"	26 34'	41 01	0'7363	"	1'3073
23	k	12	121	12 48	65 42'	26 08'	65 10	11 39	62 43'	0'4909	2'1606	2'2156
24	a	32	321	34 16'	69 04	55 49'	"	31 44'	50 31	1'4726	"	2'6147
25	z	42	421	42 16	71 05'	63 06	"	39 31	44 26	1'9635	"	2'9195
26	θ	52	521	48 38'	72 59'	67 50	"	45 52'	39 11'	2'4544	"	3'2698

Humit-Gruppe Chondroit.

Monoklin.

$a = 1.6624$	$\lg a = 0.22073$	$\lg a_0 = 0.18602$	$\lg p_0 = 9.81398$	$a_0 = 1.5343$	$p_0 = 0.6516$
$c = 1.0832$	$\lg c = 0.03471$	$\lg b_0 = 9.96529$	$\lg q_0 = 0.01034$	$b_0 = 0.9232$	$q_0 = 1.0241$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 70^\circ 59$	$\lg h = \left. \begin{matrix} 997563 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 951301 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 9.80364$	$h = 0.9454$	$e = 0.3259$

No.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg e$
1	c	0	001	90° 00	19° 01	19° 01	0° 00	19° 01	0° 00	0.3446	0	0.3446
2	b	00	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	00	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	B	20	210	51 50	"	"	90 00	51 50	38 09	1.2725	∞	"
5	D	∞	110	32 28	"	"	"	32 28	57 32	0.6363	"	"
6	E	$\infty 2$	120	17 39	"	"	"	17 39	72 21	0.3181	"	"
7	L	0 $\frac{2}{3}$	023	15 31	38 40	19 11	35 50	15 36	34 19	0.3446	0.7221	0.8002
8	M	01	011	17 39	48 40	"	47 17	13 09	45 41	"	1.0832	1.1307
9	N	02	021	9 02	65 29	"	65 13	8 13	63 58	"	2.1664	2.1936
10	O	+20	201	90 00	59 52	59 52	0 00	59 52	0 00	1.7231	0	1.7231
11	P	+10	101	"	45 57	45 57	"	45 57	"	1.0339	"	1.0339
12	X	+ $\frac{1}{2}$ 0	102	"	34 35	34 35	"	34 35	"	0.6893	"	0.6893
13	Q	+ $\frac{1}{3}$ 0	103	"	29 52	29 52	"	29 52	"	0.5744	"	0.5744
14	A	- $\frac{1}{8}$ 0	108	"	14 29	14 29	"	14 29	"	0.2585	"	0.2585
15	R	- $\frac{1}{4}$ 0	104	"	9 47	9 47	"	9 47	"	0.1724	"	0.1724
16	W	- $\frac{1}{2}$ 0	102	"	0 00	0 00	"	0 00	"	0.0001	"	0.0001
17	S	-10	101	90 00	19 00	19 00	"	19 00	"	0.3445	"	0.3445
18	T	- $\frac{4}{3}$ 0	403	"	29 52	29 52	"	29 52	"	0.5742	"	0.5742
19	U	-20	201	"	45 57	45 57	"	45 57	"	1.0337	"	1.0337
20	d	+2	221	38 30	70 08	59 52	65 13	35 50	47 24	1.7230	2.1664	2.7081
21	e	+1	111	43 40	56 16	45 57	47 17	35 02	36 59	1.0339	1.0832	1.4074
22	w	+ $\frac{2}{3}$	223	48 04	47 13	38 48	35 50	33 06	29 22	0.8042	0.7221	1.0808
23	f	- $\frac{1}{2}$	112	0 00	28 26	0 00	28 26	0 00	28 26	0.0001	0.5416	0.5416
24	g	- $\frac{2}{3}$	223	9 02	36 10	6 33	35 50	5 19	35 39	0.1147	0.7221	0.7312
25	h	-1	111	12 26	47 58	13 25	47 17	9 12	46 30	0.2387	1.0832	1.1092
26	i	-2	221	25 30	67 23	45 57	65 13	23 25	56 25	1.0337	2.1664	2.4004
27	k	+12	121	25 31	"	45 57	"	23 25	"	1.0339	"	2.4005
28	t	-12	121	9 02	65 29	19 00	"	8 14	63 58	0.3445	"	2.1936
29	?q	-1 $\frac{1}{2}$	212	32 27	32 41	19 00	28 26	16 51	27 07	"	0.5416	0.6419
30	i	+21	211	57 50	63 50	59 52	47 17	49 27	28 32	1.7231	1.0832	2.0353
31	?r	- $\frac{3}{2}$ 1	322	32 28	52 05	34 34	"	25 03	41 44	0.6891	"	1.2838
32	m	+ $\frac{1}{4}$ 1	144	25 31	50 12	27 20	"	19 19	43 54	0.5170	"	1.2002
33	n	- $\frac{1}{2}$ 1	122	0 00	47 17	0 00	"	0 00	47 17	0.0001	"	1.0832

N ^o .	Buch- staben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	x' (Prismen (x : y))	y'	d' = $\operatorname{tg} \rho$
34	p	— 21	211	43° 39'	56° 16'	45° 57'	47° 17'	35° 02'	36° 59'	1'0337	1'0832	1'4973
35	β	— 31	311	57° 50'	63° 50'	59° 52'	"	49° 27'	28° 32'	1'7229	"	2'0351
36	a	+ 32	321	48° 04'	72° 51'	67° 29'	65° 13'	45° 19'	39° 41'	2'4123	2'1664	3'2423
37	γ	+ $\frac{3}{2}$ 2	584	29° 06'	68° 02'	50° 20'	"	26° 49'	54° 07'	1'2062	"	2'4795
38	μ	— $\frac{1}{2}$ 2	142	0° 00'	65° 13'	0° 00'	"	0° 00'	65° 13'	0'0001	"	2'1664
39	δ	— 32	321	38° 29'	70° 08'	59° 52'	"	35° 50'	47° 24'	1'7229	"	2'7679
40	ε	— 42	421	48° 04'	72° 51'	67° 29'	"	45° 19'	39° 41'	2'4121	"	3'2421
41	ζ	— $\frac{1}{3}$ 2	123	9° 03'	36° 10'	6° 33'	35° 50'	5° 19'	35° 39'	0'1149	0'7221	0'7312
42	η	— $\frac{4}{3}$ 2	423	38° 29'	42° 42'	39° 52'	"	24° 58'	32° 03'	0'5742	"	0'9226
43	ω	+ $\frac{4}{3}$ 2	423	60° 15'	55° 30'	51° 38'	"	45° 41'	24° 08'	1'2637	"	1'4554

Humit-Gruppe Klinohumit.

Monoklin.

a = 1'4387	lg a = 015797	lg a ₀ = 012483	lg p ₀ = 987517	a ₀ = 1'3330	p ₀ = 0'7502
c = 1'0793	lg c = 003314	lg b ₀ = 996686	lg q ₀ = 002538	b ₀ = 0'9265	q ₀ = 1'0602
$\mu_{180-\beta} = \frac{1}{2} \} 79^\circ 12'$	lg h = $\frac{1}{2} \} 999224$	lg e = $\frac{1}{2} \} 927273$	lg p ₀ = 984979	h = 0'9823	e = 0'1874

N ^o .	Buch- staben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	x' (Prismen (x : y))	y'	d' = $\operatorname{tg} \rho$
1	c	0	001	90° 00'	10° 48'	10° 48'	0° 00'	10° 48'	0° 00'	0'1907	0	0'1907
2	b	00	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
3	a	$\infty 0$	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
4	C	$\frac{3}{2} \infty$	320	46° 42'	"	"	90° 00'	46° 42'	43° 17'	1'0614	∞	"
5	D	∞	110	35° 17'	"	"	"	35° 17'	54° 43'	0'7076	"	"
6	E	$\infty 2$	120	19° 29'	"	"	"	19° 29'	70° 31'	0'3538	"	"
7	F	$\infty 4$	140	10° 02'	"	"	"	10° 02'	79° 58'	0'1769	"	"
8	L	0 $\frac{3}{2}$	023	14° 51'	36° 40'	10° 48'	35° 44'	8° 48'	35° 15'	0'1907	0'7195	0'7444
9	M	01	011	10° 01'	47° 37'	"	47° 11'	7° 23'	46° 40'	"	1'0793	1'0960
10	N	02	021	5° 03'	65° 14'	"	65° 08'	4° 35'	64° 45'	"	2'1586	2'1670
11	A	+ 50	501	90° 00'	76° 00'	76° 00'	0° 00'	76° 00'	0° 00'	4'0094	0	4'0094
12	H	+ $\frac{7}{2}$ 0	702	"	70° 45'	70° 45'	"	70° 45'	"	2'8638	"	2'8638
13	I	+ $\frac{1}{4}$ 0	11'0'4	"	66° 25'	66° 25'	"	66° 25'	"	2'2910	"	2'2910
14	O	+ 20	201	"	59° 48'	59° 48'	"	59° 48'	"	1'7182	"	1'7182
15	Y	+ $\frac{3}{2}$ 0	302	"	53° 11'	53° 11'	"	53° 11'	"	1'3364	"	1'3364
16	P	+ 10	101	"	43° 40'	43° 40'	"	43° 40'	"	0'9545	"	0'9545
17	X	+ $\frac{1}{2}$ 0	102	"	29° 48'	29° 48'	"	29° 48'	"	0'5726	"	0'5726

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' = $\tan \varphi$
18	R	$-\frac{1}{2}0$	104	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
19	W	$-\frac{1}{2}0$	102	90° 00	10 49	10 49	"	10 49	"	0° 1911	"	0° 1911
20	S	-10	101	"	29 48	29 48	"	29 48	"	0° 5729	"	0° 5729
21	V	$-\frac{3}{2}0$	302	"	43 40	43 40	"	43 40	"	0° 9548	"	0° 9548
22	U	-20	301	"	53 12	53 12	"	53 12	"	1° 3367	"	1° 3367
23	Z	$-\frac{5}{2}0$	502	"	59 48	59 48	"	59 48	"	1° 7185	"	1° 7185
24	d	$+2$	221	38 31	70 04	59 48	65 08	35 50	47 21	1° 7182	2° 1586	2° 7589
25	e	$+1$	111	41 29	55 14	43 40	47 11	32 58	37 59	0° 9545	1° 0793	1° 4408
26	h	-1	111	27 58	50 42	29 48	"	21 16	43 07	0° 5729	"	1° 2219
27	i	-2	221	31 46	68 30	53 12	65 08	29 20	52 17	1° 3366	2° 1586	2° 5389
28	k	$+12$	121	23 51	67 02	43 40	"	21 52	57 22	0° 9545	"	2° 3603
29	q	$-1\frac{2}{3}$	323	38 32	42 36	29 48	35 44	24 56	31 58	0° 5729	0° 7195	0° 9198
30	l	-12	121	14 52	65 53	"	65 08	13 32	61 54	"	2° 1586	2° 2333
31	i	$+21$	211	57 52	63 46	59 48	47 11	49 25	28 30	1° 7182	1° 0793	2° 0291
32	r	$+\frac{3}{2}1$	322	51 04	59 47	53 11	"	42 15	32 53	1° 3363	"	1° 7178
33	s	$+\frac{1}{2}1$	122	27 57	50 42	29 48	"	21 16	43 07	0° 5726	"	1° 2218
34	x	$-\frac{1}{2}1$	144	0 00	47 11	0 00	"	0 00	47 11	0	"	1° 0793
35	n	$-\frac{1}{2}1$	122	10 02	47 37	10 49	"	7 24	46 40	0° 1911	"	1° 0961
36	t	$-\frac{3}{2}1$	322	41 30	55 14	43 40	"	32 59	37 58	0° 9548	"	1° 4410
37	p	-21	211	51 05	59 48	53 12	"	42 15	32 53	1° 3366	"	1° 7180
38	a	$+32$	321	48 59	73 05	68 03	65 08	46 13	38 53	2° 4819	2° 1586	3° 2893
39	λ	$-\frac{1}{2}2$	184	0 00	65 08	0 00	"	0 00	65 08	0	"	2° 1586
40	δ	-32	321	44 13	71 38	64 32	"	41 26	42 51	2° 1004	"	3° 0118
41	ε	-42	421	53 11	74 29	70 53	"	50 29	35 16	2° 8844	"	3° 6027
42	σ	$+\frac{1}{2}\frac{3}{2}$	132	19 29	59 47	29 48	58 18	16 45	54 33	0° 5726	1° 6189	1° 7172
43	ζ	$-\frac{1}{2}\frac{3}{2}$	123	5 04	35 50	3 39	35 44	2 58	35 41	0° 0638	0° 7195	0° 7224

Hureaulit.¹⁾

Monoklin.

a = 2° 0889	lg a = 031992	lg a ₀ = 029914	lg p ₀ = 970086	a ₀ = 1° 9913	p ₀ = 0° 5022
c = 1° 0490	lg c = 002078	lg b ₀ = 997922	lg q ₀ = 998162	b ₀ = 0° 9533	q ₀ = 0° 9586
$\mu = \left\{ \begin{array}{l} 66^\circ 02' \\ 180 - \beta \end{array} \right.$	$\lg h = \left\{ \begin{array}{l} 996084 \\ \lg \sin \mu \end{array} \right.$	$\lg e = \left\{ \begin{array}{l} 960875 \\ \lg \cos \mu \end{array} \right.$	$\lg \frac{p_0}{q_0} = 971924$	h = 0° 9138	e = 0° 4062

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' = $\tan \varphi$
1	b	0∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	m	∞	110	27 39	"	"	90° 00	27 39	62 21	0° 5239	∞	"

¹⁾ Ueber Deutung der Formen des Hureaulit vergl. Bemerkungen am Ende des Buches.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' $=\operatorname{tg} \varrho$
4	ϵ	01	011	22° 58	48° 43'	23° 58	46° 22	17° 03	43° 47'	0'4445	1'0490	1'1393
5	β	$+\frac{1}{2}0$	302	90 00	51 45'	51 45'	0 00	51 45'	0 00	1'2689	0	1'2869
6	α	$+\frac{1}{10}$	101	"	44 50	44 50	"	44 50	"	0'9941	"	0'9941
7	c	$-\frac{1}{10}$	101	90 00	6 00	6 00	"	6 00	"	0'1050	"	0'1050
8	z	$+\frac{1}{21}$	211	55 48	61 49	57 04	46 22	46 48	29 42	1'5402	1'0490	1'8664
9	l	$+\frac{1}{32}$	321	44 56	71 21'	64 28	64 31	42 00'	42 07'	2'0933	2'0980	2'9637
10	k	$+\frac{1}{32}$	312	67 32'	53 56	51 45'	27 40'	48 20	17 59	1'2689	0'5245	1'3730
11	δ	$-\frac{1}{32}$	312	35 55	32 55'	30 48	"	18 35'	26 07'	0'3798	"	0'6476
12	p	$-\frac{1}{44}$	413	39 30	24 23	16 05	19 16'	15 13'	18 34'	0'2882	0'3497	0'4532
13	q	$+\frac{1}{44}$	134	36 29'	44 23	30 12	38 12	24 34'	34 13	0'5818	0'7867	0'9786

Hydrargillit.

Monoklin.

$a = 1'7089$	$\lg a = 023272$	$\lg a_0 = 994996$	$\lg p_0 = 005004$	$a_0 = 0'8912$	$p_0 = 1'1221$
$c = 1'9184$	$\lg c = 028276$	$\lg b_0 = 971724$	$\lg q_0 = 028141$	$b_0 = 0'5215$	$q_0 = 1'9116$
$\mu_{180-\beta} = 85^\circ 29$	$\lg h = 999865$	$\lg e = 889625$	$\lg \frac{p_0}{q_0} = 976863$	$h = 0'9969$	$e = 0'0787$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' $=\operatorname{tg} \varrho$
1	c	0	001	90° 00	4° 31	4° 31	0° 00	4° 31	0° 00	0'0790	0	0'0790
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	t	$\frac{2}{3}\infty$	920	69 16	"	"	90 00	69 16	20 44	2'6414	∞	"
5	l	4 ∞	410	66 56	"	"	"	66 56	23 04	2'3479	"	"
6	$?k$	3 ∞	310	60 24'	"	"	"	60 24'	29 35'	1'7609	"	"
7	$?v$	$\frac{3}{2}\infty$	520	55 43'	"	"	"	55 43'	34 16'	1'4674	"	"
8	μ	2 ∞	210	49 34'	"	"	"	49 34'	40 25'	1'1739	"	"
9	n	$\frac{5}{3}\infty$	870	33 51'	"	"	"	33 51'	56 08'	0'6708	"	"
10	m	∞	110	30 25'	"	"	"	30 25'	59 35'	0'5870	"	"
11	d	$-\frac{1}{10}$	101	90 00	46 18	46 18	0 00	46 18	0 00	1'0465	0	1'0465
12	$?o$	$-\frac{1}{21}$	311	48 34	70 57'	65 17	62 27'	45 07'	38 43'	2'1722	1'9176	2'8975
13	s	$-\frac{1}{32}$	312	59 13	61 54'	58 09	43 48	49 17	26 25'	1'6094	0'9588	1'8734
14	u	$-\frac{1}{44}$	623	59 31'	68 21'	65 17	51 58	53 14	28 08	2'0745	1'2784	2'5205

Hydrocyanit.

Rhomblisch.

$a = 0.7091$	$\lg a = 985071$	$\lg a_0 = 975207$	$\lg p_0 = 024793$	$a_0 = 0.5650$	$p_0 = 1.7698$
$c = 1.2550$	$\lg c = 009864$	$\lg b_0 = 990136$	$\lg q_0 = 009864$	$b_0 = 0.7968$	$q_0 = 1.2550$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	A	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	u	∞	110	54° 39'	90 00	90 00	"	54 39'	45 20'	1.4102	∞	∞
3	k	$0\frac{1}{2}$	012	0 00	32 06'	0 00	32 06'	0 00	32 06'	0	0.6275	0.6275
4	l	01	011	"	51 27	"	51 27	"	51 27	"	1.2550	1.2550
5	d	$\frac{1}{2}0$	102	90 00	41 30'	41 30'	0 00	41 30'	0 00	0.8849	0	0.8849
6	e	10	101	"	60 32	60 32	"	60 32	"	1.7698	"	1.7698
7	m	1	111	54 39'	65 15'	"	51 27	47 48	31 41'	"	1.2550	2.1096
8	n	12	121	35 11'	71 58	"	68 16'	33 13'	51 00	"	2.5100	3.0711

Hydromagnesit.

Rhomblisch.

$a = 1.0379$	$\lg a = 001616$	$\lg a_0 = 034852$	$\lg p_0 = 965148$	$a_0 = 2.2311$	$p_0 = 0.4482$
$c = 0.4652$	$\lg c = 966764$	$\lg b_0 = 033236$	$\lg q_0 = 966764$	$b_0 = 2.1496$	$q_0 = 0.4652$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	a	$\infty 0$	100	90° 00	90° 00	90° 00	0° 00	90° 00	0° 00	∞	0	∞
2	m	∞	110	43 56'	"	"	90 00	43 56'	46 04'	0.9635	∞	"
3	y	12	121	25 43'	45 55'	24 08'	42 56'	18 10'	40 20'	0.4482	0.9304	1.0327

Jacobsit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	p	1	111	45° 00	54° 44	45° 00	45° 00	35° 16	35° 16	1.0000	1.0000	1.4142

Jamesonit.

Rhombisch.

$$\lg \frac{p_0}{q_0} = 008645; \quad \frac{p_0}{q_0} = 1.2203; \quad \frac{a}{b} = 0.8195$$

N ₀	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	o	001	—	0°00	0°00	0°00	0°00	0°00	o	o	o
2	a	o ∞	010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	m	∞	110	50°40	"	90°00	"	50°40	39°20	1.2203	"	"

Jarosit.

Hexagonal. Rhomboedrisch-hemiedrisch

$$c = 1.250 \quad \lg c = 009691 \quad \lg a_0 = 014165 \quad \lg p_0 = 992082 \quad a_0 = 1.3856 \quad p_0 = 0.8333 \quad (G_2)$$

N ₀	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	o	o	0001	—	0°00	0°00	0°00	0°00	0°00	o	o	o
2	a*	+ $\frac{2}{3}$	6.6.12.5	30°00	60°00	40°53'	56°18'	25°39'	48°35'	0.8660	1.5000	1.7320
3	p*	+1	1121	"	55°17'	35°49'	51°20'	24°16'	45°23'	0.7217	1.2500	1.4434
4	b*	+ $\frac{1}{3}$	6.6.12.7	"	51°03'	31°44'	46°58'	22°53'	42°20'	0.6186	1.0714	1.2372
5	φ *	-1	2241	"	70°53'	55°17'	68°12'	28°11'	54°55'	1.1443	2.5000	2.8867

Idokras.

Tetragonal.

$$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0.5376 \quad \lg c = 973046 \quad \lg a_0 = 026954 \quad a_0 = 1.860$$

N ₀	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	o	001	—	0°00	0°00	0°00	0°00	0°00	o	o	o
2	a	o ∞	010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	m	∞	110	45°00	"	90°00	"	45°00	45°00	1.0000	"	"
4	φ	$\infty \frac{5}{3}$	350	30°58'	"	"	"	30°58'	59°02'	0.6000	"	"
5	ψ	$\infty \frac{7}{4}$	470	29°44'	"	"	"	29°44'	60°15'	0.5714	"	"
6	f	$\infty 2$	120	26°34'	"	"	"	26°34'	63°26'	0.5000	"	"
7	h	$\infty 3$	130	18°26'	"	"	"	18°26'	71°34'	0.3333	"	"
8	v	o $\frac{1}{2}$	012	0°00	15°02'	0°00	15°02'	0°00	15°02'	o	0.2688	0.2688
9	A	o $\frac{2}{3}$	023	"	19°43'	"	19°43'	"	19°43'	"	0.3584	0.3584

No.	Buch- staben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
10	o	01	011	0° 00	28° 15'	0° 00	28° 15'	0° 00	28° 15'	0	0'5376	0'5376
11	B	0 $\frac{1}{2}$	032	"	38 53	"	38 53	"	38 53	"	0'8064	0'8064
12	u	02	021	"	47 04	"	47 04	"	47 04	"	1'0752	1'0752
13	π	03	031	"	58 12	"	58 12	"	58 12	"	1'6128	1'6128
14	α	$\frac{1}{10}$	1'1'20	45 00	2 10	1 32	1 32	1 32	1 32	0'0269	0'0269	0'0380
15	β	$\frac{1}{10}$	1'1'10	"	4 21	3 04	3 04	3 04	3 04	0'0538	0'0538	0'0700
16	χ	$\frac{1}{8}$	1'1'9	"	4 49	3 25	3 25	3 24	3 24	0'0597	0'0597	0'0844
17	γ	$\frac{1}{8}$	118	"	5 25	3 50	3 50	3 50	3 50	0'0672	0'0672	0'0950
18	δ	$\frac{1}{4}$	117	"	6 12	4 23	4 23	4 22	4 22	0'0768	0'0768	0'1086
19	ϵ	$\frac{1}{8}$	116	"	7 13	5 07	5 07	5 06	5 06	0'0896	0'0896	0'1267
20	ζ	$\frac{1}{8}$	115	"	8 38	6 08	6 08	6 06	6 06	0'1075	0'1075	0'1521
21	η	$\frac{1}{4}$	114	"	10 45	7 39	7 39	7 35	7 35	0'1344	0'1344	0'1901
22	θ	$\frac{1}{8}$	113	"	14 13	10 09	10 09	10 00	10 00	0'1792	0'1792	0'2534
23	?J	$\frac{1}{13}$	5'5'13	"	16 18	11 41	11 41	11 26	11 26	0'2068	0'2068	0'2924
24	i	$\frac{1}{2}$	112	"	20 49	15 02	15 02	14 33	14 33	0'2688	0'2688	0'3801
25	κ	$\frac{3}{8}$	335	"	24 31	17 52	17 52	17 04	17 04	0'3225	0'3225	0'4562
26	λ	$\frac{1}{2}$	445	"	31 18	23 16	23 16	21 33	21 33	0'4301	0'4301	0'6082
27	L	$\frac{7}{8}$	778	"	33 38	25 11	25 11	23 03	23 03	0'4704	0'4704	0'6652
28	p	1	111	"	37 14	28 15	28 15	25 20	25 20	0'5376	0'5376	0'7603
29	μ	$\frac{8}{5}$	885	"	50 34	40 42	40 42	33 06	33 06	0'8616	0'8616	1'2164
30	b	2	221	"	56 40	47 04	47 04	36 12	36 12	1'0752	1'0752	1'5205
31	t	3	331	"	66 19	58 12	58 12	40 21	40 21	1'6128	1'6128	2'2808
32	N	4	441	"	71 48	65 03	65 03	42 12	42 12	2'1504	2'1504	3'0411
33	O	5	551	"	75 15	69 35	69 35	43 08	43 08	2'6880	2'6880	3'8014
34	x	$\frac{1}{3}$ 1	133	18 26	29 32	10 09	28 15	8 58	27 53	0'1792	0'5376	0'5667
35	ω	$\frac{2}{3}$ 1	377	23 12	30 19	12 58	"	11 28	27 39	0'2304	"	0'5849
36	n	$\frac{1}{2}$ 1	122	26 34	31 00	15 02	"	13 19	27 26	0'2688	"	0'6011
37	P	$\frac{4}{1}$	477	29 44	31 46	17 04	"	15 08	27 12	0'3072	"	0'6192
38	z	12	121	26 34	50 14	28 15	47 04	20 06	43 26	0'5376	1'0752	1'2021
39	q	$\frac{1}{3}$	383	20 33	56 51	"	55 06	17 06	51 37	"	1'4369	1'5310
40	s	13	131	18 26	59 32	"	58 12	15 49	54 51	"	1'6128	1'7000
41	y	14	141	14 02	65 43	"	65 03	12 46	62 10	"	2'1504	2'2166
42	v	15	151	11 18	69 57	"	69 35	10 37	67 06	"	2'6880	2'7412
43	w	17	171	8 08	75 15	"	75 07	7 51	73 13	"	3'7632	3'8014
44	d	24	241	26 34	67 25	47 04	65 03	24 23	55 40	1'0752	2'1504	2'4042
45	i	$\frac{1}{2}$ 2	132	18 26	40 22	15 02	38 53	11 49	37 54	0'2688	0'8064	0'8500
46	X	$\frac{1}{2}$ 2	152	11 18	53 53	"	53 21	9 07	52 23	"	1'3440	1'3706
47	ϱ	$\frac{1}{3}$ 3	139	18 26	10 42	3 25	10 09	3 22	10 08	0'0597	0'1792	0'1880
48	σ	$\frac{1}{3}$ 3	135	"	18 46	6 08	17 52	5 50	17 47	0'1075	0'3225	0'3400
49	τ	$\frac{2}{3}$ 3	269	"	20 42	6 49	19 43	6 25	19 35	0'1195	0'3584	0'3778
50	l	$\frac{4}{3}$ 3	243	26 34	38 42	19 43	35 38	16 14	34 00	0'3584	0'7162	0'8014
51	?e	35	351	30 58	72 18	58 12	69 35	29 21	54 46	1'6128	2'6880	3'1347
52	?r	46	461	33 41	75 32	65 03	72 46	32 29	53 40	2'1504	3'2256	3'8707
53	?g	$\frac{5}{2}$ 10	5'20'2	14 02	79 46	53 21	79 28	13 48	72 41	1'3440	5'3760	5'5415
54	?F	7'13	7'13'1	28 18	82 49	75 07	81 51	28 03	60 52	3'7632	6'9887	7'9374

Jeremejewit.

Hexagonal.

$$c = 1.1840 \quad \lg c = 0.07335 \quad \lg a_0 = 0.16521 \quad \lg p_0 = 9.89726 \quad a_0 = 1.4629 \quad p_0 = 0.7893 \quad (G_1)$$

N ^o .	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
1	a	∞	1120	30° 00'	90° 00'	90° 00'	90° 00'	30° 00'	60° 00'	0.5773	∞	∞
2	e	2 ∞	2130	19 06'	"	"	"	19 06'	70 53'	0.3464	"	"
3	n	$\frac{1}{2}0$	1014	0 00	11 10	0 00	11 10	0 00	11 10	0	0.1973	0.1973
4	f	$\frac{1}{3}0$	1013	"	14 44'	"	14 44'	"	14 44'	"	0.2631	0.2631
5	d	10	1011	"	38 17	"	38 17	"	38 17	"	0.7893	0.7893
6	q	$\frac{2}{3}0$	7075	"	47 51'	"	47 51'	"	47 51'	"	1.1050	1.1050
7	g	$\frac{4}{3}\frac{1}{2}$	4153	10 53'	50 19'	12 50	49 49	8 22	49 06'	0.2278	1.1839	1.2057

Inesit.

Triklin.

$p_0 = 1.3562$	$\lambda = 83^\circ 15'$	$a = 0.9753$	$\alpha = 92^\circ 18'$	$x_0 = 0.6763$	$d = 0.6865$
$q_0 = 0.9692$	$\mu = 46^\circ 42'$	$b = 1$	$\beta = 132^\circ 56'$	$y_0 = 0.1175$	$\delta = 80^\circ 08'$
$r_0 = 1$	$\nu = 82^\circ 35'$	$c = 1.3208$	$\gamma = 93^\circ 51'$	$h = 0.7271$	

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x:y)	y'	d' =tge
1	c	0	001	50° 08'	43° 21'	42° 55'	9° 11'	42° 33'	6° 45'	0.9302	0.1616	0.9441
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	82 35	"	90 00	"	82 35	7 25	7.8622	"	"
4	m	$\infty \infty$	110	120 34	"	"	90 00	59 26	30 34	1.6934	"	"
5	d	01	011	141 32'	56 14	42 55'	49 30'	31 08	40 37	0.9302	1.1712	1.4956
6	g	20	201	82 05'	77 55'	77 48'	32 44'	75 36	7 44	4.6292	0.6431	4.6735
7	l	10	101	81 46	70 24	70 13	21 55	68 48	7 45'	2.7798	0.4024	2.8088
8	e	10	101	94 55	42 42	42 35'	4 31'	42 30'	3 20	0.9194	0.0791	0.9228
9	o	$\frac{2}{3}\frac{1}{2}$	532	75 28	75 19	74 51'	43 45	69 27'	14 02'	3.6939	0.9573	3.8159
10	pi	$1\frac{1}{2}$	747	53 29	48 50'	42 36	34 14'	37 14	26 37	0.9194	0.6806	1.1439

Jodobromit.

Regulär.

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} - \\ 0^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	p	1	111	45 00	54 44	45 00	45 00	35 16	35 16	1.0000	1.0000	1.4142

Jodsilber.

Hexagonal-Hemimorph.

$$c = 1.4196 \quad \lg c = 0.15217 \quad \lg a_0 = 0.08639 \quad \lg p_0 = 9.97608 \quad a_0 = 1.2201 \quad p_0 = 0.9464 \quad (G_1)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{(Prismen)} (x:y)$	y	$d = \lg \varrho$
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	$\infty 0$	1010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	\sim
3	a	∞	1120	30° 00	"	90° 00	"	30° 00	60° 00	0.5773	"	"
4	μ	$\frac{1}{2} 0$	1012	0° 00	25° 19'	0° 00	25° 19'	0° 00	25° 19'	0	0.4732	0.4732
5	ν	$\frac{2}{3} 0$	2023	"	32° 15'	"	32° 15'	"	32° 15'	"	0.6310	0.6310
6	e	$\frac{2}{3} 0$	3034	"	35° 22'	"	35° 22'	"	35° 22'	"	0.7098	0.7098
7	π	$\frac{4}{3} 0$	4045	"	37° 08'	"	37° 08'	"	37° 08'	"	0.7571	0.7571
8	o	10	1011	"	43° 25'	"	43° 25'	"	43° 25'	"	0.9464	0.9464
9	h	$\frac{2}{3} 0$	3032	"	54° 50'	"	54° 50'	"	54° 50'	"	1.4196	1.4196
10	i	20	2021	"	62° 09'	"	62° 09'	"	62° 09'	"	1.8928	1.8928
11	k	30	3031	"	70° 36'	"	70° 36'	"	70° 36'	"	2.8392	2.8392
12	u	40	4041	"	75° 12'	"	75° 12'	"	75° 12'	"	3.7856	3.7856

Johannit.

Monoklin.

$a = 2.04$	$\lg a = 0.30963$	$\lg a_0 = 0.14528$	$\lg p_0 = 9.85472$	$a_0 = 1.397$	$p_0 = 0.716$
$c = 1.46$	$\lg c = 0.16435$	$\lg b_0 = 9.83565$	$\lg q_0 = 0.16300$	$b_0 = 0.685$	$q_0 = 1.456$
$\mu = \left. \begin{matrix} 85^\circ 29' \\ 180 - \beta \end{matrix} \right\}$	$\lg h = \left. \begin{matrix} 9.99865 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 8.89625 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg p_0 = 9.69172$	$h = 0.9969$	$e = 0.0787$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x'}{(Prismen)} (x:y)$	y'	$d' = \lg \varrho$
1	b	0∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	c	$\infty 0$	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	-
3	m	01	011	3° 05'	55° 38'	4° 31'	55° 35'	2° 33'	55° 30'	0.0790	1.4600	1.4621
4	e	$\frac{1}{2} 10$	101	90° 00	38° 34'	38° 34'	0° 00	38° 34'	0° 00	0.7971	0	0.7971

Johnstrupit-Mosandrit.

Monoklin.

a = 1'6229	lga = 021029	lga ₀ = 007694	lg p ₀ = 992306	a ₀ = 1'1938	p ₀ = 0'8376
c = 1'3594	lg c = 013335	lg b ₀ = 986665	lg q ₀ = 013272	b ₀ = 0'7356	q ₀ = 1'3574
$\mu = \frac{1}{180} = 86^\circ 55'$	$\lg h = \frac{1}{\lg \sin \mu} = 999937$	$\lg c = \frac{1}{\lg \cos \mu} = 873069$	$\lg \frac{p_0}{q_0} = 979034$	h = 0'9985	e = 0'0538

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x'}{(Prismen)} (x:y)$	y'	$d' = \operatorname{tge}$
1	b	0 ∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
3	t	7 ∞	710	76 58	"	"	90 00	76 58	13 02	4'3196	∞	"
4	k	4 ∞	410	67 57	"	"	"	67 57	22 03	2'4683	"	"
5	n	3 ∞	310	61 37	"	"	"	61 37	28 22	1'8512	"	"
6	l	$\frac{3}{2}\infty$	520	57 03	"	"	"	57 03	32 57	1'5427	"	"
7	f	2 ∞	210	50 59	"	"	"	50 59	39 01	1'2341	"	"
8	m	∞	110	31 40	"	"	"	31 40	58 19	0'6171	"	"
9	z	$\infty 2$	120	17 09	"	"	"	17 09	72 51	0'3085	"	"
10	h	$\infty 6$	160	5 52	"	"	"	5 52	84 07	0'1028	"	"
11	e	$\frac{1}{2}30$	301	90 00	68 44	68 44	0 00	68 44	0 00	2'5703	0	2'5703
12	x	$\frac{1}{2}20$	201	"	59 59	59 59	"	59 59	"	1'7315	"	1'7315
13	d	$\frac{1}{2}10$	101	"	41 45	41 45	"	41 45	"	0'8927	"	0'8927
14	δ	$\frac{1}{2}10$	101	90 00	38 08	38 08	"	38 08	"	0'7849	"	0'7849
15	ξ	$\frac{1}{2}20$	201	"	58 22	58 22	"	58 22	"	1'6237	"	1'6237
16	ϵ	$\frac{1}{2}30$	301	"	67 54	67 54	"	67 54	"	2'4626	"	2'4626

Jordanit.

Rhombsch.

a = 0'5375	lg a = 973038	lg a ₀ = 972374	lg p ₀ = 027626	a ₀ = 0'5293	p ₀ = 1'8891
c = 1'0154	lg c = 000664	lg b ₀ = 999336	lg q ₀ = 000664	b ₀ = 0'9848	q ₀ = 1'0154

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{(Prismen)} (x:y)$	y	d = tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	∞	110	61° 44'	90 00	90 00	90 00	61 44'	28 15'	1'8605	∞	∞
3	n	$\infty 3$	130	31 48'	"	"	"	31 48'	58 11'	0'6201	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	χ (Prismen) (x : y)	y	d = $\tan \varrho$
4	d	$0\frac{1}{2}$	049	0° 00	24° 17'	0° 00	24° 17'	0° 00	24° 17'	0	0'4513	0'4513
5	e	$0\frac{1}{2}$	012	"	26 55	"	26 55	"	26 55	"	0'5077	0'5077
6	f	$0\frac{1}{2}$	047	"	30 07	"	30 07	"	30 07	"	0'5802	0'5802
7	g	$0\frac{2}{3}$	023	"	34 05	"	34 05	"	34 05	"	0'6769	0'6769
8	h	$0\frac{2}{3}$	045	"	39 05	"	39 05	"	39 05	"	0'8123	0'8123
9	i	01	011	"	45 26	"	45 26	"	45 26	"	1'0154	1'0154
10	k	$0\frac{3}{4}$	087	"	49 15	"	49 15	"	49 15	"	1'1604	1'1604
11	l	$0\frac{3}{4}$	043	"	53 33	"	53 33	"	53 33	"	1'3539	1'3539
12	p	02	021	"	63 47	"	63 47	"	63 47	"	2'0308	2'0308
13	q	04	041	"	76 10	"	76 10	"	76 10	"	4'0616	4'0616
14	u	$\frac{2}{3}0$	203	90 00	51 33	51 33	0 00	51 33	0 00	1'2594	0	1'2594
15	v	$\frac{2}{3}0$	405	"	56 30	56 30	"	56 30	"	1'5113	"	1'5113
16	w	10	101	"	62 06	62 06	"	62 06	"	1'8891	"	1'8891
17	x	$\frac{2}{3}0$	403	"	68 21	68 21	"	68 21	"	2'5188	"	2'5188
18	y	20	201	"	75 10	75 10	"	75 10	"	3'7782	"	3'7782
19	α	$\frac{2}{3}$	229	61 44	25 29	22 46	12 43	22 16	11 45	0'4198	0'2256	0'4766
20	β	$\frac{1}{2}$	114	"	28 12	25 17	14 14	24 36	12 55	0'4723	0'2538	0'5362
21	γ	$\frac{2}{3}$	227	"	31 30	28 21	16 10	27 24	14 19	0'5397	0'2901	0'6128
22	δ	$\frac{1}{3}$	113	"	35 33	32 12	18 42	30 49	15 59	0'6297	0'3385	0'7140
23	ϵ	$\frac{2}{3}$	225	"	40 37	37 04	22 06	35 00	17 57	0'7556	0'4061	0'8570
24	ζ	$\frac{1}{2}$	112	"	47 00	43 22	26 55	40 06	20 15	0'9445	0'5077	1'0724
25	η	$\frac{2}{3}$	447	"	50 47	47 11	30 07	43 02	21 31	1'0795	0'5802	1'2255
26	θ	$\frac{2}{3}$	223	"	55 02	51 33	34 05	46 12	22 49	1'2594	0'6769	1'4298
27	ι	$\frac{2}{3}$	445	"	59 46	56 30	39 05	49 33	24 08	1'5113	0'8123	1'7158
28	κ	1	111	"	65 00	62 06	45 26	52 58	25 24	1'8891	1'0153	2'1447
29	λ	2	221	"	76 52	75 10	63 47	59 04	27 27	3'7782	2'0308	4'2894
30	μ	3	331	"	81 10	79 59	71 49	60 30	27 53	5'6674	3'0462	6'4341
31	ν	8	881	"	86 40	86 13	82 59	61 33	28 12	15'1131	8'1232	17'158
32	A	$\frac{2}{3}$	267	31 48	45 41	28 21	41 02	22 09	37 27	0'5397	0'8703	1'0241
33	B	$\frac{1}{3}1$	133	"	50 04	32 12	45 26	23 50	40 40	0'6297	1'0153	1'1948
34	C	$\frac{1}{2}2$	132	"	60 50	43 22	56 43	27 24	47 55	0'9445	1'5231	1'7922
35	D	$\frac{2}{3}2$	263	"	67 17	51 33	63 47	29 05	51 37	1'2594	2'0308	2'3896
36	E	13	131	"	74 24	62 06	71 49	30 30	54 56	1'8891	3'0462	3'5844
37	F	26	261	"	82 03	75 10	80 40	31 28	57 19	3'7782	6'0924	7'1688

Iridium.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} - \\ 0^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	a	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 03 \\ \infty 3 \end{array} \right.$	$\left\{ \begin{array}{l} 013 \\ 031 \\ 130 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 18^\circ 26 \end{array} \right.$	$\left\{ \begin{array}{l} 18^\circ 26 \\ 71^\circ 34 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 18^\circ 26 \\ 71^\circ 34 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 18^\circ 26 \end{array} \right.$	$\left\{ \begin{array}{l} 18^\circ 26 \\ 71^\circ 34 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 0^\circ 3333 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{array} \right.$
3	i	$\left\{ \begin{array}{l} 0\frac{2}{3} \\ 0\frac{4}{3} \\ \infty\frac{2}{3} \end{array} \right.$	$\left\{ \begin{array}{l} 034 \\ 043 \\ 340 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ " \\ 36^\circ 52 \end{array} \right.$	$\left\{ \begin{array}{l} 36^\circ 52 \\ 53^\circ 08 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 36^\circ 52 \\ 53^\circ 08 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ " \\ 36^\circ 52 \end{array} \right.$	$\left\{ \begin{array}{l} 36^\circ 52 \\ 53^\circ 08 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \\ 0^\circ 7500 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 7500 \\ 1^\circ 3333 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 7500 \\ 1^\circ 3333 \\ \infty \end{array} \right.$
4	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 011 \\ 110 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 45^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 45^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ 1^\circ 0000 \end{array} \right.$	$\left\{ \begin{array}{l} 1^\circ 0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 1^\circ 0000 \\ \infty \end{array} \right.$
5	p	$\left\{ \begin{array}{l} 1 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 111 \\ 110 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 45^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 54^\circ 44 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 35^\circ 16 \\ 45^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 35^\circ 16 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 1^\circ 0000 \end{array} \right.$	$\left\{ \begin{array}{l} 1^\circ 0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 1^\circ 4142 \\ \infty \end{array} \right.$

Kainit.

Monoklin.

a = 1'2186	lg a = 008586	lg a ₀ = 031774	lg p ₀ = 968226	a ₀ = 2'0784	p ₀ = 0'4811
c = 0'5863	lg c = 976812	lg b ₀ = 023188	lg q ₀ = 976653	b ₀ = 1'7056	q ₀ = 0'5842
$\mu = \left\{ \begin{array}{l} 180 - \beta \\ 85^\circ 06 \end{array} \right.$	$\left\{ \begin{array}{l} \lg h = \\ \lg \sin \mu \end{array} \right. \left\{ \begin{array}{l} 999841 \\ 999841 \end{array} \right.$	$\left\{ \begin{array}{l} \lg e = \\ \lg \cos \mu \end{array} \right. \left\{ \begin{array}{l} 893154 \\ 893154 \end{array} \right.$	$\left\{ \begin{array}{l} \lg p_0 = \\ \lg q_0 \end{array} \right. \left\{ \begin{array}{l} 991573 \\ 991573 \end{array} \right.$	h = 0'9963	e = 0'0854

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x:y)	y'	d' =tg ϱ
1	c	0	001	90° 00	4° 54	4° 54	0° 00	4° 54	0° 00	0'0857	0	0'0857
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	l	3∞	310	67 58	"	"	90 00	67 58	22 02	2'4765	∞	"
5	e	2∞	210	58 44	"	"	"	58 44	31 15	1'6472	"	"
6	p	∞	110	39 28	"	"	"	39 28	50 31	0'8236	"	"
7	d	02	021	4 11	49 37	4 54	49 32	3 11	49 26	0'0857	1'1726	1'1757
8	n	+40	401	90 00	63 38	63 38	0 00	63 38	0 00	2'0171	0	2'0171
9	r	+20	201	"	46 26	46 26	"	46 26	"	1'0514	"	1'0514
10	t	+10	101	"	29 37	29 37	"	29 37	"	0'5818	"	0'5818
11	q	+1	111	44 07	39 14	"	30 23	26 07	27 00	0'5685	0'5863	0'8167
12	w	+31	311	69 05	58 40	56 54	"	52 56	17 45	1'5343	"	1'6425
13	s	-1	111	34 07	35 18	21 39	"	18 55	28 35	0'3971	"	0'7081
14	u	+3	334	46 47	32 42	25 04	23 44	23 11	21 43	0'4679	0'4397	0'6421
15	v	+2	221	41 53	57 35	46 26	49 32	34 18	38 56	1'0514	1'1726	1'5750
16	z	-3	223	31 08	24 32	13 17	21 21	12 24	20 49	0'2361	0'3908	0'4567
17	x	+13	131	17 35	61 35	29 37	60 23	15 42	56 49	0'5085	1'7589	1'8485
18	y	-13	131	12 43	60 59	21 39	"	11 06	58 33	0'3971	"	1'8031

Kalisalpeter.

Rhomboisch.

$a = 0.5910$	$\lg a = 977159$	$\lg a_0 = 992587$	$\lg p_0 = 007413$	$a_0 = 0.8430$	$p_0 = 1.1861$
$c = 0.7010$	$\lg c = 984572$	$\lg b_0 = 015428$	$\lg q_0 = 984572$	$b_0 = 1.4265$	$q_0 = 0.7010$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	59 25	"	"	90 00	59 25	30 35	1.6920	∞	"
5	x	0½	012	0 00	19 19	0 00	19 19	0 00	19 19	0	0.3505	0.3505
6	k	01	011	"	35 02	"	35 02	"	35 02	"	0.7010	0.7010
7	i	02	021	"	54 30	"	54 30	"	54 30	"	1.4020	1.4020
8	p	1	111	59 25	54 01	49 52	35 02	44 10	24 19	1.1861	0.7010	1.3778

Kalkuranit.

Monoklin.

$a = 0.3463$	$\lg a = 953945$	$\lg a_0 = 999229$	$\lg p_0 = 000771$	$a_0 = 0.9824$	$p_0 = 1.0179$
$c = 0.3525$	$\lg c = 954716$	$\lg b_0 = 045284$	$\lg q_0 = 954714$	$b_0 = 2.8369$	$q_0 = 0.3525$
$\mu_{180-\beta} = \left. \begin{matrix} \\ \end{matrix} \right\} 89^\circ 30'$	$\lg h = \left. \begin{matrix} \\ \end{matrix} \right\} 999998$	$\lg c = \left. \begin{matrix} \\ \end{matrix} \right\} 794084$	$\lg \frac{p_0}{q_0} = 046057$	$h = 0.9999$	$e = 0.0087$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
1	c	0	001	90° 00	0° 30	0° 30	0° 00	0° 30	0° 00	0.0087	0	0.0087
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	70 54	"	"	90 00	70 54	19 06	2.8878	∞	"
5	q	01	011	1 25	19 25	0 30	19 25	0 28	19 25	0.0087	0.3525	0.3526
6	d	+10	101	90 00	45 45	45 45	0 00	45 45	0 00	1.0266	0	1.0266
7	p	+12	121	55 31	51 14	45 55	35 11	40 00	26 11	"	0.7050	1.2454
8	π	-12	121	55 04	50 55	45 16	"	39 31	26 23	1.0092	"	1.2310

Kalomel.

Tetragonal.

$\frac{c}{p_0}$	$= 1.7229$	$\lg c = 0.23626$	$\lg a_0 = 9.76374$	$a_0 = 0.5804$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	A	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	45 00	"	90 00	"	45 00	45 00	1'0000	"	"
4	ξ	∞ $\frac{2}{3}$	290	12 31'	"	"	"	12 31'	77 28'	0'2222	"	"
5	g	∞ $\frac{6}{5}$	160	9 27'	"	"	"	9 27'	80 32'	0'1667	"	"
6	μ	∞7	170	8 08	"	"	"	8 08	81 52	0'1429	"	"
7	q	0 $\frac{1}{2}$	015	0 00	19 01	0 00	19 01	0 00	19 01	0	0'3445	0'3445
8	γ	0 $\frac{1}{4}$	014	"	23 18	"	23 18	"	23 18	"	0'4307	0'4307
9	z	0 $\frac{1}{3}$	013	"	29 52'	"	29 52'	"	29 52'	"	0'5743	0'5743
10	t	0 $\frac{1}{2}$	012	"	40 40'	"	40 40'	"	40 40'	"	0'8594	0'8594
11	e	01	011	"	59 52	"	59 52	"	59 52	"	1'7229	1'7229
12	β	0 $\frac{2}{3}$	054	"	65 05'	"	65 05'	"	65 05'	"	2'1536	2'1536
13	s	02	021	"	73 49	"	73 49	"	73 49	"	3'4457	3'4457
14	k	04	041	"	81 44'	"	81 44'	"	81 44'	"	6'8915	6'8915
15	ζ	$\frac{1}{3}$	119	45 00	15 09	10 50'	10 50'	10 39	10 39	0'1914	0'1914	0'2707
16	h	$\frac{1}{2}$	114	"	31 21	23 18	23 18	21 35	21 35	0'4307	0'4307	0'6091
17	a	$\frac{1}{3}$	113	"	39 05	29 52	29 52	26 29'	26 29'	0'5743	0'5743	0'8122
18	i	$\frac{1}{2}$	112	"	50 37	40 44'	40 44'	33 08	33 08	0'8614	0'8614	1'2182
19	y	$\frac{5}{8}$	559	"	53 32'	43 44'	43 44'	34 39'	34 39'	0'9572	0'9572	1'3536
20	x	$\frac{5}{8}$	558	"	56 42'	47 07	47 07	36 14	36 14	1'0768	1'0768	1'5228
21	r	1	111	"	67 41	59 52	59 52	40 51'	40 51'	1'7229	1'7229	2'4365
22	o	2	221	"	78 24	73 49	73 49	43 50'	43 50'	3'4457	3'4457	4'8730
23	β	$\frac{5}{2}$	552	"	80 40'	76 55'	76 55'	44 15	44 15	4'3072	4'3072	6'0913
24	p	3	331	"	82 12'	79 03	79 03	44 28'	44 28'	5'1686	5'1686	7'3095
25	? B	$\frac{1}{3}$ 1	133	18 26	61 09	59 52	59 52	16 05	56 12'	0'5743	1.7229	1'8161
26	ψ	13	131	"	79 36	"	79 03	18 07'	68 55'	1'7229	5'1686	5'4482
27	π	$\frac{1}{4}$ $\frac{1}{2}$	124	26 34	43 55'	23 18	40 44'	18 04'	38 21	0'4307	0'8614	0'9631
28	λ	$\frac{1}{2}$ $\frac{2}{3}$	5'14'10	19 39	68 40'	40 44'	67 29	18 15'	61 18'	0'8614	2'4120	2'5631
29	n	$\frac{1}{2}$ $\frac{2}{3}$	132	18 26	69 50'	"	68 51	17 16	62 57	"	2'5843	2'7241
30	D	$\frac{4}{3}$ 2	4'18'9	12 31'	74 11	37 26'	73 49	12 03	69 55'	0'7657	3'4453	3'5299
31	φ	$\frac{1}{2}$ 2	142	14 02	74 16'	40 44'	"	13 30	69 02'	0'8614	3'4458	3'5519
32	v	$\frac{1}{3}$ $\frac{5}{3}$	153	11 18'	71 08'	29 52	70 48	10 42	68 07'	0'5743	2'8716	2'9283
33	f	$\frac{1}{4}$ $\frac{3}{2}$	164	9 27'	69 06'	23 18	68 51	8 50	67 09	0'4307	2'5843	2'6200
34	ρ	$\frac{1}{3}$ $\frac{3}{3}$	135	18 26	47 27'	19 01	45 57	13 28'	44 20'	0'3446	1'0337	1'0896
35	σ	$\frac{1}{16}$ $\frac{4}{3}$	1'8'10	7 07'	54 15	9 46'	54 02'	5 46'	53 38'	0'1723	1'3783	1'3891

Kaolin.

Monoklin.

$a = 0.5748$	$\lg a = 975952$	$\lg a_0 = 955549$	$\lg p_0 = 044451$	$a_0 = 0.3593$	$p_0 = 2.7830$
$c = 1.5997$	$\lg c = 020403$	$\lg b_0 = 979597$	$\lg q_0 = 020095$	$b_0 = 0.6251$	$q_0 = 1.5883$
$\mu = \left\{ \begin{matrix} 83^\circ 11' \\ 180 - \beta \end{matrix} \right\}$	$\lg h = \left\{ \begin{matrix} 999692 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg c = \left\{ \begin{matrix} 907442 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 024356$	$h = 0.9929$	$e = 0.1187$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	c	0	001	90° 00	6° 49	6° 49	0° 00	6° 49	0° 00	0.1195	0	0.1195
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	m	∞	110	60 17	"	90 00	"	60 17	29 43	1.7521	"	"
4	n	-1	111	59 12	72 15	69 34	57 59	54 53	29 11	2.6832	1.5997	3.1239

Karyocerit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 1.1845$	$\lg c = 007353$	$\lg a_0 = 016503$	$\lg p_0 = 989744$	$a_0 = 1.4623$	$p_0 = 0.7897$	(G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	q	$-\frac{1}{2}$	1124	30° 00	18 53	9 29	16 30	9 18	16 16	0.1710	0.2962	0.3420
3	q	$-\frac{1}{2}$	1122	"	34 22	18 53	30 38	16 24	29 16	0.3420	0.5923	0.6840

Katapleit.

Hexagonal-holoedrisch.

$c = 2.3605$	$\lg c = 037300$	$\lg a_0 = 986556$	$\lg p_0 = 019691$	$a_0 = 0.7338$	$p_0 = 1.5737$	(G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	∞0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	y	$\frac{1}{3}0$	1013	"	27 41	"	27 41	"	27 41	"	0.5245	0.5245
4	o	$\frac{1}{2}0$	1012	"	38 12	"	38 12	"	38 12	"	0.7868	0.7868
5	p	10	1011	"	57 34	"	57 34	"	57 34	"	1.5737	1.5737
6	x	20	2021	"	72 22	"	72 22	"	72 22	"	3.1473	3.1473

Kentrolith.**Rhomblisch.**

$a = 0.6328$	$\lg a = 980127$	$\lg a_0 = 984761$	$\lg p_0 = 015239$	$a_0 = 0.7041$	$p_0 = 1.4203$
$c = 0.8988$	$\lg c = 995366$	$\lg b_0 = 004634$	$\lg q_0 = 995366$	$b_0 = 1.1126$	$q_0 = 0.8988$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\operatorname{tg} \varrho$
1	b	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	m	∞	110	57° 40'	"	"	90° 00	57° 40'	32° 19'	1.5803	∞	"
4	o	1	111	"	59° 15'	54° 51'	41° 57'	46° 34'	27° 21'	1.4203	0.8988	1.6808
5	p	2	221	"	73° 26'	70° 36'	60° 55'	54° 05'	30° 50'	2.8407	1.7976	3.3616

Kieselzinkerz.**Rhomblisch.**

$a = 0.7835$	$\lg a = 989404$	$\lg a_0 = 021479$	$\lg p_0 = 978521$	$a_0 = 1.6398$	$p_0 = 0.6098$
$c = 0.4778$	$\lg c = 967925$	$\lg b_0 = 032075$	$\lg q_0 = 967925$	$b_0 = 2.0929$	$q_0 = 0.4778$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\operatorname{tg} \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	m	∞	110	51° 55'	"	"	90° 00	51° 55'	38° 05'	1.2763	∞	"
5	p	∞ $\frac{3}{2}$	230	40° 23'	"	"	"	40° 23'	49° 36'	0.8509	"	"
6	n	∞2	120	32° 32'	"	"	"	32° 32'	57° 27'	0.6381	"	"
7	o	∞3	130	23° 03'	"	"	"	23° 03'	66° 57'	0.4254	"	"
8	?A	∞ $\frac{5}{2}$	290	15° 50'	"	"	"	15° 50'	74° 10'	0.2836	"	"
9	q	∞5	150	14° 19'	"	"	"	14° 19'	75° 41'	0.2552	"	"
10	?δ	0 $\frac{1}{8}$	018	0° 00	3° 25'	0° 00	3° 25'	0° 00	3° 25'	0	0.0597	0.0597
11	ε	0 $\frac{1}{4}$	013	"	9° 03'	"	9° 03'	"	9° 03'	"	0.1592	0.1592
12	d	0 $\frac{1}{2}$	012	"	13° 26'	"	13° 26'	"	13° 26'	"	0.2389	0.2389
13	e	01	011	"	25° 32'	"	25° 32'	"	25° 32'	"	0.4778	0.4778
14	x	0 $\frac{3}{4}$	043	"	32° 30'	"	32° 30'	"	32° 30'	"	0.6370	0.6370
15	f	0 $\frac{3}{2}$	032	"	35° 38'	"	35° 38'	"	35° 38'	"	0.7167	0.7167
16	g	0 $\frac{5}{2}$	053	"	38° 32'	"	38° 32'	"	38° 32'	"	0.7963	0.7963
17	?B	0 $\frac{7}{4}$	074	"	39° 54'	"	39° 54'	"	39° 54'	"	0.8361	0.8361
18	h	02	021	"	43° 42'	"	43° 42'	"	43° 42'	"	0.9556	0.9556

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
19	i	03	031	0°00	55°06	0°00	55°06	0°00	55°06	0	1'4334	1'4334
20	k	05	051	"	67 17	"	67 17	"	67 17	"	2'3890	2'3890
21	l	07	071	"	73 21	"	73 21	"	73 21	"	3'3446	3'3446
22	η	$\frac{1}{6}0$	106	90 00	5 48	5 48	0 00	5 48	0 00	0'1016	0	0'1016
23	ν	$\frac{1}{5}0$	105	"	6 57	6 57	"	6 57	"	0'1219	"	0'1219
24	r	$\frac{1}{3}0$	103	"	11 29	11 29	"	11 29	"	0'2032	"	0'2032
25	χ	$\frac{2}{3}0$	205	"	13 42	13 42	"	13 42	"	0'2439	"	0'2439
26	θ	$\frac{1}{2}0$	102	"	16 57	16 57	"	16 57	"	0'3049	"	0'3049
27	s	10	101	"	31 22	31 22	"	31 22	"	0'6098	"	0'6098
28	i	$\frac{4}{3}0$	403	"	39 07	39 07	"	39 07	"	0'8131	"	0'8131
29	μ	20	201	"	50 39	50 39	"	50 39	"	1'2196	"	1'2196
30	t	30	301	"	61 20	61 20	"	61 20	"	1'8295	"	1'8295
31	γ	$\frac{1}{2}$	112	51 55	21 10	16 57	13 26	16 31	12 52	0'3049	0'2389	0'3874
32	ζ	$\frac{3}{4}$	334	"	30 09	24 34	19 43	23 17	18 03	0'4573	0'3583	0'5810
33	π	1	111	"	37 46	31 22	25 32	28 49	22 11	0'6098	0'4778	0'7747
34	x	$\frac{3}{2}$	332	"	49 17	42 27	35 37	36 38	27 52	0'9147	0'7167	1'1620
35	v	12	121	32 32	48 35	31 22	43 42	23 47	39 12	0'6098	0'9556	1'1336
36	λ	14	141	17 42	63 30	"	62 22	15 47	58 30	"	1'9112	2'0061
37	u	21	211	68 36	52 38	50 39	25 32	47 44	16 51	1'2196	0'4778	1'3049
38	w	$\frac{1}{2}\frac{2}{3}$	132	23 03	37 55	16 57	35 37	13 55	34 26	0'3049	0'7167	0'7789
39	σ	$\frac{1}{2}\frac{2}{3}$	172	10 20	59 32	"	59 07	8 53	57 59	"	1'6723	1'6949
40	z	$\frac{1}{2}$	163	12 00	44 20	11 29	43 42	8 21	43 07	0'2032	0'9556	0'9770
41	β	32	321	62 25	64 09	61 20	"	52 54	24 37	1'8295	"	2'0640
42	ϱ	23	231	40 23	62 01	50 39	55 06	34 54	42 16	1'2196	1'4334	1'8820
43	y	$\frac{4}{3}$	431	59 33	70 32	67 42	"	54 23	28 32	2'4393	"	2'8203
44	ξ	$\frac{1}{2}\frac{2}{3}$	143	17 42	33 46	11 29	32 30	9 43	31 58	0'2032	0'6370	0'6687
45	φ	$\frac{1}{4}$	174	10 20	40 21	8 40	39 54	6 40	39 34	0'1524	0'8361	0'8404
46	τ	47	471	36 06	76 25	67 42	73 21	34 56	51 45	2'4393	3'3446	4'1396
47	Φ	3'10	3'10'1	20 57	78 56	61 20	78 10	20 32	66 25	1'8295	4'7780	5'1162

Kieserit.

Monoklin.

a = 0'9097	lga = 995890	lga ₀ = 971204	lg p ₀ = 028796	a ₀ = 0'5153	p ₀ = 1'9407
c = 1'7655	lg c = 024686	lg b ₀ = 975314	lg q ₀ = 024679	b ₀ = 0'5664	q ₀ = 1'7652
$\mu = \frac{1}{180 - \beta} 88'59$	$lg h = \frac{1}{lg \sin \mu} 999993$	$lg c = \frac{1}{lg \cos \mu} 824903$	$lg \frac{p_0}{q_0} = 004117$	h = 0'9998	e = 0'0174

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90°00	1°01	1°01	0°00	1°01	0°00	0'0177	0	0'0177
2	u	0 $\frac{1}{2}$	012	1 09	41 26	"	41 26	0 46	41 26	"	0'8827	0'8827
3	t	10	101	90 00	62 57	62 57	0 00	62 57	0 00	1'9584	0	1'9584

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = tge
4	p	+1	111	47° 43	69° 08	62° 44	60° 28	43° 44	38° 57	1'9410	1'7655	2'6238
5	y	+ $\frac{2}{3}$	335	48 08	57 47	49 46	46 39	39 03	34 23	1'1820	1'0592	1'5872
6	x	+ $\frac{1}{3}$	113	48 28	41 35	33 36	30 28	29 48	26 07	0'6644	0'5885	0'8875
7	?h	— $\frac{2}{3}$	229	46 32	29 42	22 29	21 25	21 04	19 55	0'4139	0'3923	0'5703
8	v	— $\frac{1}{3}$	113	46 56	40 45	32 12	30 28	28 29	26 28	0'6296	0'5885	0'8618
9	e	—1	111	47 27	69 02	62 32	60 28	43 28	39 09	1'9236	1'7655	2'6109

Klaprothit.

Rhombisch.

$$\lg \frac{p_0}{q_0} = 0.13077; \quad \frac{p_0}{q_0} = 1.3513; \quad \frac{a}{b} = 0.74$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	a	∞	100	90° 00	90° 00	90° 00	0° 00	90° 00	0° 00	∞	0	∞
2	m	∞	110	53 30	"	"	90 00	53 30	36 30	1'3513	∞	"

Kobaltblüthe.

Monoklin.

a = 0.75	$\lg a = 987506$	$\lg a_0 = 002996$	$\lg p_0 = 997004$	$a_0 = 1.0714$	$p_0 = 0.9333$
c = 0.70	$\lg c = 984510$	$\lg b_0 = 015490$	$\lg q_0 = 983004$	$b_0 = 1.4286$	$q_0 = 0.6761$
$\mu = \frac{1}{180 - \beta} 75^\circ 00$	$\lg h = \frac{1}{\lg \sin \mu} 998494$	$\lg c = \frac{1}{\lg \cos \mu} 941300$	$\lg \frac{p_0}{q_0} = 014000$	$h = 0.9659$	$e = 0.2588$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = tge
1	b	∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	m	∞	110	54 05	"	90 00	"	54 05	35 55	1'3804	"	"
3	w	—10	101	90 00	34 55	34 55	0 00	34 55	0 00	0'6983	0	0'6983
4	r	— $\frac{1}{2}$	112	31 35	22 20	12 08	19 17	11 29	18 53	0'2151	0'3500	0'4108
5	v	—1	111	44 56	44 40	34 55	34 59	29 46	29 51	0'6983	0'7000	0'9887

Koppit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{Bmatrix} 0 \\ \infty \end{Bmatrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	p	1	111	45 00	54 44	45 00	45 00	35 16	35 16	1'0000	1'0000	1'4142

Kornerupin.

Rhombisch.

$$\lg \frac{p_0}{q_0} = 006850; \quad \frac{p_0}{q_0} = 1'1708; \quad \frac{a}{b} = 0'854$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
2	a	∞	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
3	m	∞	110	49° 30'	"	"	90° 00'	49° 30'	40° 30'	1'1708	∞	"

Korund.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 1'3636 \quad \lg c = 013468 \quad \lg a_0 = 010387 \quad \lg p_0 = 995859 \quad a_0 = 1'2702 \quad p_0 = 0'9091 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	0	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	∞	1010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	b	∞	1120	30° 00'	"	90° 00'	"	30° 00'	60° 00'	0'5773	"	"
4	r	$\frac{3}{2}\infty$	3250	23° 25'	"	"	"	23° 25'	66° 35'	0'4330	"	"
5	r	$\frac{2}{3}0$	6065	0° 00'	47° 29'	0° 00'	47° 29'	0° 00'	47° 29'	0	1'0909	1'0909
6	λ	20	2021	"	61° 11'	"	61° 11'	"	61° 11'	"	1'8181	1'8181
7	μ	$\frac{2}{3}0$	7073	"	64° 45'	"	64° 45'	"	64° 45'	"	2'1211	2'1211
8	ν	30	3031	"	69° 52'	"	69° 52'	"	69° 52'	"	2'7271	2'7271
9	ϱ	$\frac{2}{3}0$	7072	"	72° 33'	"	72° 33'	"	72° 33'	"	3'1817	3'1817
10	a	40	4041	"	74° 37'	"	74° 37'	"	74° 37'	"	3'6362	3'6362
11	A	$\frac{11}{2}0$	11'0'11'2	"	78° 41'	"	78° 41'	"	78° 41'	"	4'9998	4'9998

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
12	ξ	60	6061	0°00	79°36'	0°00	79°36'	0°00	79°36'	0	5.4543	5.4543
13	β	70	7071	"	81 04	"	81 04	"	81 04	"	6.3634	6.3634
14	γ	80	8081	"	82 10	"	82 10	"	82 10	"	7.2725	7.2725
15	ε	12°0	12°0'12.1	"	84 46	"	84 46	"	84 46	"	10.909	10.909
16	ϵ	14°0	14°0'14.1	"	85 30	"	85 30	"	85 30	"	12.727	12.727
17	T	$+\frac{1}{2}$	1125	30 00	17 29	8 57	15 15	8 38	15 04	0.1574	0.2727	0.3149
18	S	$+\frac{1}{2}$	1123	"	27 41	14 42	24 26	13 26	23 44	0.2624	0.4545	0.5249
19	f	$+\frac{1}{2}$	1122	"	38 12	21 29	34 17	18 01	32 32	0.3936	0.6818	0.7873
20	p x	$+\frac{1}{2}$	1121	"	57 35	38 12	53 44	24 58	46 58	0.7873	1.3636	1.5745
21	φ	-2	3241	"	72 23	57 35	69 52	28 27	55 38	1.5745	2.7271	3.1491
22	j A	$+\frac{1}{2}$	7.7'14.2	"	79 43	70 03	78 10	29 28	58 26	2.7555	4.7706	5.5109
23	q	$+\frac{1}{2}$	7.7'14.1	"	84 49	79 43	84 01	29 52	59 36	5.5109	9.5450	11.022
24	a	$+\frac{3}{2}$	8.2'10.5	10 53	59 02	17 29	58 34	9 19	57 21	0.3149	1.6363	1.6663
25	b	$+\frac{1}{2}$	7184	6 35	59 46	11 08	59 36	5 41	59 07	0.1968	1.7045	1.7158
26	Q	$-\frac{1}{2}$	4263	19 06	58 03	27 41	56 34	16 07	53 18	0.5248	1.5151	1.6034

Kraurit.

Rhombisch.

a = 0.8734	lg a = 994121	lg a ₀ = 031160	lg p ₀ = 968840	a ₀ = 2.0493	p ₀ = 0.4880
c = 0.4262	lg c = 962961	lg b ₀ = 037039	lg q ₀ = 962961	b ₀ = 2.3462	q ₀ = 0.4262

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
1	c	00	010	0°00	90°00	0°00	90°00	0°00	90°00	0	∞	∞
2	b	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
3	e	∞	110	48 52	"	"	90 00	48 52	41 08	1.1449	∞	"
4	f	$\infty 2$	120	29 47	"	"	"	29 47	60 12	0.5724	"	"
5	h	01	011	0 00	23 05	0 00	23 05	0 00	23 05	0	0.4262	0.4262

Kremersit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
1	p	I	111	45°00	54°44	45°00	45°00	35°16	35°16	1.0000	1.0000	1.4142

Krennerit.

Rhombloch.

$a = 0.9392$	$\lg a = 997276$	$\lg a_0 = 026775$	$\lg p_0 = 973225$	$a_0 = 1.8525$	$p_0 = 0.5398$
$c = 0.5070$	$\lg c = 970501$	$\lg b_0 = 029499$	$\lg q_0 = 970501$	$b_0 = 1.9724$	$q_0 = 0.5070$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d = tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	f	30	310	72 37	"	"	90 00	72 37	17 23	3.1942	∞	"
5	k	2∞	210	64 50	"	"	"	64 50	25 09	2.1294	"	"
6	l	$\frac{3}{2}\infty$	320	57 57	"	"	"	57 57	32 03	1.5971	"	"
7	m	∞	110	46 47	"	"	"	46 47	43 12	1.0647	"	"
8	σ	$\infty\frac{3}{2}$	230	35 22	"	"	"	35 22	54 38	0.7098	"	"
9	n	∞2	120	28 02	"	"	"	28 02	61 58	0.5323	"	"
10	S	∞3	130	19 32	"	"	"	19 32	70 27	0.3549	"	"
11	e	01	011	0 00	26 53	0 00	26 53	0 00	26 53	0	0.5070	0.5070
12	d	02	021	"	45 24	"	45 24	"	45 24	"	1.0140	1.0140
13	q	03	031	"	56 40	"	56 40	"	56 40	"	1.5210	1.5210
14	s	04	041	"	63 45	"	63 45	"	63 45	"	2.0280	2.0280
15	g	$\frac{1}{2}0$	102	90 00	15 06	15 06	0 00	15 06	0 00	0.2699	0	0.2699
16	h	10	101	"	28 21	28 21	"	28 21	"	0.5398	"	0.5398
17	q	20	201	"	47 07	47 07	"	47 07	"	1.0796	"	1.0796
18	r	30	301	"	58 18	58 18	"	58 18	"	1.6195	"	1.6195
19	p	21	211	64 50	50 01	47 11	26 53	43 56	19 00	1.0796	0.5070	1.1928
20	i	$\frac{3}{2}1$	322	57 57	43 41	39 00	"	35 50	21 30	0.8096	"	0.9554
21	o	1	111	46 47	36 31	28 21	"	25 42	24 02	0.5398	"	0.7406
22	u	$\frac{1}{2}1$	122	28 02	29 52	15 06	"	13 32	26 05	0.2699	"	0.5744
23	t	12	121	"	48 57	28 21	45 24	20 45	41 44	0.5398	1.0140	1.1487
24	w	$\frac{1}{4}\frac{1}{2}$	124	"	16 01	7 41	14 13	7 27	14 06	0.1349	0.2535	0.2872
25	v	$\frac{3}{2}3$	362	"	59 52	39 00	56 40	23 59	49 46	0.8096	1.5210	1.7231

Kröhnkit.**Monoklin.**

$a = 0.4462$	$lga = 964953$	$lga_o = 001084$	$lg p_o = 998916$	$a_o = 1.0253$	$p_o = 0.9753$
$c = 0.4352$	$lg c = 963869$	$lgb_o = 036131$	$lg q_o = 961855$	$b_o = 2.2978$	$q_o = 0.4155$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 72^\circ 41'$	$lgh = \left. \begin{matrix} 997986 \\ lg \sin \mu \end{matrix} \right\}$	$lg c = \left. \begin{matrix} 947371 \\ lg \cos \mu \end{matrix} \right\}$	$lg \frac{p_o}{q_o} = 037061$	$h = 0.9547$	$e = 0.2977$

N ^o	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
1	b	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	m	∞	110	66 55	"	90 00	"	66 55	23 04	2.3475	0	"
3	e	01	011	35 37	28 10	17 19	23 31	15 57	22 34	0.3118	0.4352	0.5354
4	p	1	111	71 55	54 31	53 08	"	50 43	14 38	1.3334	"	1.4026

Kryolith.**Monoklin.**

$a = 0.9662$	$lga = 998507$	$lga_o = 984259$	$lg p_o = 015741$	$a_o = 0.6960$	$p_o = 1.4368$
$c = 1.3883$	$lg c = 014248$	$lgb_o = 985752$	$lg q_o = 014248$	$b_o = 0.7203$	$q_o = 1.3883$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 89^\circ 49'$	$lgh = \left. \begin{matrix} 0 \\ lg \sin \mu \end{matrix} \right\}$	$lg c = \left. \begin{matrix} 750512 \\ lg \cos \mu \end{matrix} \right\}$	$lg \frac{p_o}{q_o} = 001493$	$h = 1$	$e = 0.0032$

N ^o	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
1	c	0	001	90° 00	0° 11	0° 11	0° 00	0° 11	0° 00	0.0032	0	0.0032
2	a	∞	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	m	∞	110	45 59	"	"	90 00	45 59	44 01	1.0349	∞	"
4	r	01	011	0 08	54 14	0 11	54 14	0 06	54 14	0.0032	1.3883	1.3883
5	v	+10	101	90 00	55 13	55 13	0 00	55 13	0 00	1.4400	0	1.4400
6	k	-10	101	90 00	55 06	55 06	"	55 06	"	1.4336	"	1.4336
7	p	+1	111	46 03	63 26	55 13	54 14	40 05	38 22	1.4400	1.3883	2.0002
8	z	+ $\frac{1}{2}$	112	46 07	45 02	35 49	34 46	30 39	29 22	0.7216	0.6941	1.0013
9	q	-1	111	45 55	63 23	55 06	54 14	39 57	38 27	1.3691	1.3883	1.9956
10	s	+12	121	27 25	72 16	55 13	70 11	26 00	57 44	1.4400	2.7765	3.1277
11	e	+1 $\frac{2}{3}$	323	57 16	59 42	"	42 47	46 35	27 50	"	0.9255	1.7118
12	t	-12	121	27 18	72 15	55 06	70 11	25 54	57 48	1.3691	2.7765	3.1248
13	x	+ $\frac{1}{6}$	176	8 31	58 35	13 48	58 18	7 16	57 34	0.2426	1.6196	1.6378

Kupfer.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	χ (Prismen) (x : y)	y	d = tg φ
1	c	{ 0 0 ∞	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
			010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
2	f	{ 0 $\frac{1}{4}$ 04 004	014	"	14 02	"	14 02	"	14 02	"	0'2500	0'2500
			041	"	75 58	"	75 58	"	75 58	"	4'0000	4'0000
			140	14 02	90 00	90 00	90 00	14 02	"	0'2500	∞	∞
3	a	{ 0 $\frac{1}{3}$ 03 003	013	0 00	18 26	0 00	18 26	0 00	18 26	0	0'3333	0'3333
			031	"	71 34	"	71 34	"	71 34	"	3'0000	3'0000
			130	18 26	90 00	90 00	90 00	18 26	"	0'3333	∞	∞
4	g	{ 0 $\frac{2}{3}$ 052 00 $\frac{2}{3}$	025	0 00	21 48	0 00	21 48	0 00	21 48	0	0'4000	0'4000
			052	"	68 12	"	68 12	"	68 12	"	2'5000	2'5000
			250	21 48	90 00	90 00	90 00	21 48	"	0'4000	∞	∞
5	D	{ 0 $\frac{3}{4}$ 073 00 $\frac{3}{4}$	037	0 00	23 12	0 00	23 12	0 00	23 12	0	0'4286	0'4286
			073	"	66 48	"	66 48	"	66 48	"	2'3333	2'3333
			370	23 12	90 00	90 00	90 00	23 12	"	0'4286	∞	∞
6	e	{ 0 $\frac{1}{2}$ 02 002	012	0 00	26 34	0 00	26 34	0 00	26 34	0	0'5000	0'5000
			021	"	63 26	"	63 26	"	63 26	"	2'0000	2'0000
			120	26 34	90 00	90 00	90 00	26 34	"	0'5000	∞	∞
7	a	{ 0 $\frac{1}{4}$ 074 00 $\frac{1}{4}$	047	0 00	29 44	0 00	29 44	0 00	29 44	0	0'5714	0'5714
			074	"	60 15	"	60 15	"	60 15	"	1'7500	1'7500
			470	29 44	90 00	90 00	90 00	29 44	"	0'5714	∞	∞
8	h	{ 0 $\frac{3}{5}$ 053 00 $\frac{3}{5}$	035	0 00	30 58	0 00	30 58	0 00	30 58	0	0'6000	0'6000
			053	"	59 02	"	59 02	"	59 02	"	1'6667	1'6667
			350	30 58	90 00	90 00	90 00	30 58	"	0'6000	∞	∞
9	d	{ 01 0 ∞	011	0 00	45 00	0 00	45 00	0 00	45 00	0	1'0000	1'0000
			110	45 00	90 00	90 00	90 00	45 00	"	1'0000	∞	∞
10	r	{ $\frac{1}{6}$ 16	116	"	13 15	9 27	9 27	9 20	9 20	0'1667	0'1667	0'2357
			161	9 27	80 40	45 00	80 32	"	76 44	1'0000	6'0000	6'0827
11	l	{ $\frac{1}{5}$ 15	115	45 00	15 47	11 18	11 18	11 06	11 06	0'2000	0'2000	0'2828
			151	11 18	78 54	45 00	78 41	"	74 12	1'0000	5'0000	5'0959
12	k	{ $\frac{1}{4}$ 14	114	45 00	19 28	14 02	14 02	13 38	13 38	0'2500	0'2500	0'3535
			141	14 02	76 22	45 00	75 58	"	70 32	1'0000	4'0000	4'1231
13	m	{ $\frac{1}{3}$ 13	113	45 00	25 14	18 26	18 26	17 33	17 33	0'3333	0'3333	0'4714
			131	18 26	72 27	45 00	71 34	"	64 45	1'0000	3'0000	3'1623
14	q	{ $\frac{1}{2}$ 12	112	45 00	35 16	26 34	26 34	24 05	24 05	0'5000	0'5000	0'7071
			121	26 34	65 54	45 00	63 26	"	54 44	1'0000	2'0000	2'2360
15	p	{ 1 1 $\frac{1}{2}$	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
			124	26 34	29 12	14 02	26 34	12 36	25 52	0'2500	0'5000	0'5590
16	ψ	{ $\frac{1}{2}$ 2	142	14 02	64 07	26 34	63 26	"	60 47	0'5000	2'0000	2'0615
			241	26 34	77 23	63 26	75 58	25 52	"	2'0000	4'0000	4'4721

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
17	z	$\frac{1}{3}\frac{3}{3}$	135	18° 26'	32° 18'	11° 18'	30° 58'	9° 44'	30° 28'	0° 2000	0° 6000	0° 6325
		$\frac{1}{3}\frac{3}{3}$	153	11 18'	59 32'	18 26'	59 02'	"	57 41'	0° 3333	1° 6667	1° 6996
		$\frac{1}{3}5$	351	30 58'	80 16'	71 34'	78 41'	30 28'	"	3° 0000	5° 0000	5° 8310
18	η	$\frac{1}{6}\frac{1}{6}$	2° 3' 12"	33 41'	16 43'	9 27'	14 02'	9 11'	13 51'	0° 1667	0° 2500	0° 3005
		$\frac{2}{3}\frac{4}{6}$	2° 12' 3"	9 27'	76 09'	33 41'	75 58'	"	73 16'	0° 6667	4° 0000	4° 0552
		$\frac{3}{2}\frac{6}{6}$	3° 12' 2"	14 02'	80 49'	56 18'	80 32'	13 51'	"	1° 5000	6° 0000	6° 1846
19	ϑ	$\frac{1}{1}\frac{1}{1}\frac{1}{1}$	1° 6' 11"	9 27'	28 56'	5 11'	28 36'	4 34'	28 30'	0° 0909	0° 5455	0° 5530
		$\frac{1}{6}\frac{1}{6}$	1° 11' 6"	5 11'	61 29'	9 27'	61 23'	"	61 03'	0° 1667	1° 8333	1° 8409
		$\frac{6}{2}11$	6° 11' 1"	28 37'	85 26'	80 32'	84 48'	28 30'	"	6° 0000	11° 000	12° 530
20	i	$\frac{5}{1}\frac{5}{5}$	5° 10' 18"	26 34'	31 51'	15 31'	29 03'	13 39'	28 09'	0° 2778	0° 5556	0° 6211
		$\frac{1}{2}\frac{9}{5}$	5° 18' 10"	15 31'	61 50'	26 34'	60 56'	"	58 09'	0° 5000	1° 8000	1° 8681
		$\frac{2}{2}\frac{1}{5}$	10° 18' 5"	29 03'	76 21'	63 26'	74 28'	28 09'	"	2° 0000	3° 6000	4° 1182

Kupferglanz.

Rhombisch.

a = 0° 5822	lg a = 976507	lg a ₀ = 977825	lg p ₀ = 022175	a ₀ = 0° 6001	p ₀ = 1° 6663
c = 0° 9701	lg c = 998682	lg b ₀ = 001318	lg q ₀ = 998682	b ₀ = 1° 0308	q ₀ = 0° 9701

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	00	010	0° 00'	90 00'	"	90 00'	"	90 00'	"	∞	∞
3	b	∞0	100	90 00'	"	90 00'	0 00'	90 00'	0 00'	∞	0	"
4	m	∞	110	59 47'	"	"	90 00'	59 47'	30 12'	1° 7176	∞	"
5	n	∞ $\frac{3}{2}$	230	48 52'	"	"	"	48 52'	41 08'	1° 1451	"	"
6	l	∞3	130	29 47'	"	"	"	29 47'	60 12'	0° 5725	"	"
7	f	0 $\frac{1}{2}$	012	0 00'	25 52'	0 00'	25 52'	0 00'	25 52'	0	0° 4851	0° 4851
8	e	0 $\frac{2}{3}$	023	"	32 53'	"	32 53'	"	32 53'	"	0° 6467	0° 6467
9	g	01	011	"	44 08'	"	44 08'	"	44 08'	"	0° 9701	0° 9701
10	h	0 $\frac{3}{2}$	053	"	58 16'	"	58 16'	"	58 16'	"	1° 6172	1° 6172
11	d	02	021	"	62 44'	"	62 44'	"	62 44'	"	1° 9402	1° 9402
12	i	0 $\frac{5}{2}$	052	"	67 35'	"	67 35'	"	67 35'	"	2° 4253	2° 4253
13	x	$\frac{1}{2}$	114	59 47'	25 44'	22 37'	13 38'	22 02'	12 37'	0° 4166	0° 2425	0° 4820
14	z	$\frac{1}{3}$	113	"	32 43'	29 03'	17 55'	27 51'	15 47'	0° 5554	0° 3234	0° 6427
15	v	$\frac{1}{2}$	112	"	43 57'	39 48'	25 52'	36 51'	20 26'	0° 8331	0° 4850	0° 9641
16	p	1	111	"	62 35'	59 02'	44 08'	50 06'	26 31'	1° 6663	0° 9701	1° 9281
17	w	4	441	"	82 36'	81 28'	75 33'	58 59'	29 56'	6° 6651	3° 8804	7° 7124
18	q	12	121	40 40'	68 38'	59 02'	62 44'	37 21'	44 57'	1° 6663	1° 9402	2° 5575

Kupferglimmer.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 2.554 \quad \lg c = 0.40722 \quad \lg a_0 = 9.83134 \quad \lg p_0 = 0.23113 \quad a_0 = 0.6782 \quad p_0 = 1.702 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	b	∞	1120	30° 00	90 00	90 00	90 00	30 00	60 00	0.5773	∞	∞
3	w	$\pm \frac{1}{6}$	1126	"	26 10	13 48	23 03	12 44	22 27	0.2458	0.4257	0.4915
4	d	$-\frac{1}{3}$	1123	"	44 30	26 10	40 24	20 31	37 23	0.4915	0.8513	0.9830
5	f δ	$\pm \frac{1}{2}$	1122	"	55 51	36 24	51 56	24 26	45 47	0.7373	1.2770	1.4746
6	p	+1	1121	"	71 16	55 51	68 37	28 16	55 06	1.4745	2.5540	2.9491
7	a	+2	2241	"	80 22	71 16	78 55	29 32	58 38	2.9491	5.1080	5.8982

Kupferindig.

Hexagonal.

$$c = 1.720 \quad \lg c = 0.23553 \quad \lg a_0 = 0.00303 \quad \lg p_0 = 0.05944 \quad a_0 = 1.0070 \quad p_0 = 1.1467 \quad (G_1)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	b	∞	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	r	10	1011	"	48 54	"	48 54	"	48 54	"	1.1468	1.1468
4	f	40	4041	"	77 42	"	77 42	"	77 42	"	4.5867	4.5867

Kupferkies.

Tetragonal. Domatisch-hemiedrisch.

$$\frac{c}{p_0} = 1.3933 \quad \lg c = 0.14404 \quad \lg a_0 = 9.85596 \quad a_0 = 0.7177$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	m	∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞	110	45° 00	"	"	"	45 00	45 00	1.0000	"	"
4	w	~ 2	120	26 34	"	"	"	26 34	63 26	0.5000	"	"
5	d	$-\frac{1}{2}$	014	0 00	19 12	"	19 12	0 00	19 12	o	0.3483	0.3483

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
6	x	$-0\frac{1}{2}$	013	0° 00	24° 54'	0° 00	24° 54'	0° 00	24° 54'	0	0'4644	0'4644
7	n	$+0\frac{1}{2}$	012	"	34 52	"	34 52	"	34 52	"	0'6966	0'6966
8	p	± 01	011	"	54 20	"	54 20	"	54 20	"	1'3933	1'3933
9	r	$+0\frac{3}{2}$	032	"	64 26	"	64 26	"	64 26	"	2'0899	2'0899
10	t	± 02	021	"	70 15'	"	70 15'	"	70 15'	"	2'7866	2'7866
11	u	$+04$	041	"	79 49'	"	79 49'	"	79 49'	"	5'5731	5'5731
12	g	$\frac{1}{2}$	113	45 00	33 18	24 54'	24 54'	22 50'	22 50'	0'4644	0'4644	0'6568
13	e	$\frac{1}{2}$	112	"	44 34'	34 51'	34 51'	29 45	29 45	0'6966	0'6966	0'9852
14	h	$\frac{1}{2}$	334	"	55 55	46 15'	46 15'	35 51	35 51	1'0449	1'0449	1'4778
15	z	1	111	"	63 05'	54 20	54 20	39 05'	39 05'	1'3933	1'3933	1'9704
16	φ	$\frac{1}{2}1$	144	14 02	55 09	19 12	"	11 29	52 46	0'3483	"	1'4362
17	A	$\frac{1}{3}1$	133	18 26	55 45	24 54'	"	15 09	51 38'	0'4644	"	1'4686
18	τ	$\frac{1}{2}1$	122	26 34	57 18	34 52	"	22 06'	48 49'	0'6966	"	1'5577
19	ξ	$\frac{2}{3}1$	355	30 58	58 23'	39 53'	"	25 59	46 54'	0'8359	"	1'6248
20	s	$\frac{4}{3}1$	233	33 41'	59 09'	42 53'	"	28 26'	45 35'	0'9288	"	1'6745
21	χ	$\frac{1}{2}\frac{1}{2}$	148	14 02	35 41	9 53	34 52	8 08	34 27'	0'1741	0'6966	0'7181
22	y	$\frac{1}{3}\frac{2}{3}$	123	26 34	46 05	24 54'	42 53'	18 47'	40 06'	0'4644	0'9288	1'0385
23	C	$\frac{1}{7}\frac{2}{7}$	157	11 18'	45 25'	11 15	44 51'	8 02	44 18'	0'1990	0'9952	1'0149
24	D	$\frac{1}{11}\frac{9}{11}$	1'9'11	6 20'	48 55	7 13	48 44'	4 46'	48 31	0'1266	1'1400	1'1469
25	k	$\frac{2}{3}$	231	33 41'	78 44'	70 15'	76 32'	32 57'	54 41'	2'6006	4'1798	5'0235
26	f	$\frac{1}{6}\frac{2}{3}$	126	26 34	27 26'	13 04'	24 54'	11 53'	24 20'	0'2322	0'4644	0'5192
27	σ	$-\frac{3}{10}\frac{7}{10}$	3'7'10	23 12	46 42	22 41	44 17	16 39'	41 59	0'4180	0'9753	1'0611
28	B	$\frac{9}{5}\frac{13}{5}$	9'13'5	34 41'	77 12'	68 15'	74 34	33 43	53 18	2'5079	3'6225	4'4059

Kupferlasur.

Monoklin.

a = 0'8502	lg a = 992952	lg a ₀ = 998479	lg p ₀ = 001521	a ₀ = 0'9656	p ₀ = 1'0357
c = 0'8805	lg c = 994473	lg b ₀ = 005527	lg q ₀ = 994435	b ₀ = 1'1357	q ₀ = 0'8797
$\mu_{180-\beta} = 87^\circ 36'$	lg h = 999962	lg e = 862196	lg $\frac{p_0}{q_0}$ = 007086	h = 0'9991	e = 0'0419

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00	2° 24	2° 24	0° 00	2° 24	0° 00	0'0419	0	0'0419
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	g	$\frac{2}{3}\infty$	210	66 59'	"	"	90 00	66 59'	23 00'	2'3544	∞	"
5	i	$\frac{3}{2}\infty$	320	60 28'	"	"	"	60 28'	29 31'	1'7658	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' = tg ϱ
6	m	∞	110	49° 39'	90° 00'	90° 00'	90° 00'	49° 39'	40° 21'	1'1772	∞	∞
7	w	$\infty 2$	120	30 29	"	"	"	30 29	59 31	0'5886	"	"
8	C	$0 \frac{1}{8}$	018	20 51	6 43	2 24	6 17	2 23	6 16	0'0419	0'1100	0'1178
9	G	$0 \frac{1}{6}$	016	15 58	8 40	"	8 21	2 22	8 20	"	0'1467	0'1526
10	S	$0 \frac{1}{4}$	014	10 47	12 38	"	12 25	2 20	12 24	"	0'2201	0'2241
11	q	$0 \frac{2}{3}$	025	6 47	19 32	"	19 24	2 16	19 23	"	0'3522	0'3547
12	E	$0 \frac{1}{2}$	012	5 26	23 51	"	23 46	2 12	23 44	"	0'4402	0'4422
13	l	$0 \frac{3}{4}$	023	4 05	30 28	"	30 25	2 04	30 23	"	0'5870	0'5885
14	f	01	011	2 43	41 23	"	41 22	1 48	41 20	"	0'8805	0'8815
15	K	$0 \frac{3}{2}$	032	1 49	52 53	"	52 52	1 27	52 50	"	1'3207	1'3214
16	p	02	021	1 22	60 25	"	60 24	1 11	60 23	"	1'7610	1'7615
17	L	03	031	0 54	69 16	"	69 16	0 51	69 15	"	2'6415	2'6418
18	φ	$+\frac{1}{20}$	201	90 00	64 42	64 42	0 00	64 42	0 00	2'1151	0	2'1151
19	σ	$+\frac{1}{10}$	101	"	47 10	47 10	"	47 10	"	1'0785	"	1'0785
20	ζ	$+\frac{1}{50}$	102	"	29 15	29 15	"	29 15	"	0'5602	"	0'5602
21	c	$+\frac{3}{20}$	307	"	25 55	25 55	"	25 55	"	0'4862	"	0'4862
22	M	$+\frac{1}{40}$	104	"	16 45	16 45	"	16 45	"	0'3010	"	0'3010
23	r	$-\frac{1}{80}$	108	90 00	5 00	5 00	"	5 00	"	0'0875	"	0'0875
24	μ	$-\frac{1}{40}$	105	"	9 23	9 23	"	9 23	"	0'1653	"	0'1653
25	D	$-\frac{1}{20}$	104	"	12 15	12 15	"	12 15	"	0'2171	"	0'2171
26	F	$-\frac{1}{20}$	207	"	14 16	14 16	"	14 16	"	0'2542	"	0'2542
27	A	$-\frac{1}{10}$	103	"	16 53	16 53	"	16 53	"	0'3035	"	0'3035
28	a	$-\frac{2}{40}$	205	"	20 26	20 26	"	20 26	"	0'3727	"	0'3727
29	n	$-\frac{1}{20}$	102	"	25 28	25 28	"	25 28	"	0'4763	"	0'4763
30	N	$-\frac{3}{20}$	507	"	34 56	34 56	"	34 56	"	0'6985	"	0'6985
31	b	$-\frac{4}{40}$	203	"	32 59	32 59	"	32 59	"	0'6492	"	0'6492
32	T	$-\frac{1}{50}$	405	"	38 13	38 13	"	38 13	"	0'7874	"	0'7874
33	Θ	$-\frac{1}{10}$	101	"	44 51	44 51	"	44 51	"	0'9947	"	0'9947
34	W	$-\frac{2}{20}$	605	"	50 14	50 14	"	50 14	"	1'2020	"	1'2020
35	B	$-\frac{1}{20}$	504	"	51 25	51 25	"	51 25	"	1'2538	"	1'2538
36	η	$-\frac{3}{20}$	302	"	56 32	56 32	"	56 32	"	1'5129	"	1'5129
37	v	$-\frac{1}{20}$	201	"	63 47	63 47	"	63 47	"	2'0313	"	2'0313
38	ψ	$-\frac{1}{30}$	301	"	71 57	71 57	"	71 57	"	3'0678	"	3'0678
39	h	$+\frac{1}{2}$	221	50 13	70 02	64 42	60 24	46 15	36 58	2'1151	1'7610	2'7522
40	s	$+\frac{1}{1}$	111	50 46	54 19	47 10	41 22	38 59	30 54	1'0785	0'8805	1'3923
41	P	$+\frac{1}{2}$	223	51 19	43 12	36 14	30 25	32 18	25 20	0'7330	0'5870	0'9391
42	t	$-\frac{2}{20}$	225	46 37	27 09	20 26	19 24	19 22	18 16	0'3727	0'3522	0'5128
43	Q	$-\frac{1}{2}$	112	47 14	32 58	25 27	23 46	23 32	21 41	0'4759	0'4402	0'6483
44	Z	$-\frac{1}{2}$	447	47 34	36 42	28 40	26 42	26 11	23 47	0'5504	0'5032	0'7457
45	u	$-\frac{3}{20}$	223	47 53	41 11	32 59	30 25	29 14	24 13	0'6492	0'5870	0'8752
46	x	$-\frac{1}{1}$	111	48 29	53 02	44 51	41 22	36 44	31 58	0'9947	0'8805	1'3284
47	k	$-\frac{1}{2}$	221	49 04	69 36	63 47	60 24	45 05	37 52	2'0313	1'7610	2'6883

Nr.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' = $\operatorname{tg} \rho$
48	π	-4	441	49° 22'	29° 31'	76° 18'	74° 09'	48° 16'	39° 49'	4'1045	3'5220	5'4085
49	γ	+12	121	31 29	64 10	47 10	60 24	28 02	50 08	1'0785	1'7610	2'0650
50	Σ	-1 $\frac{1}{2}$	232	36 59	58 50	44 51	52 52	30 59	43 07	0'9947	1'3208	1'6534
51	ν	-1 $\frac{3}{4}$	353	34 08	60 34	"	55 44	29 15	46 08	"	1'4675	1'7728
52	α	-12	121	29 27	63 41	"	60 24	26 09	51 18	"	1'7610	2'0225
53	y	-21	211	66 34	65 41	63 47	41 22	56 44	21 15	2'0313	0'8805	2'2139
54	z	-41	411	77 53	76 36	76 18	"	72 01	11 46	4'1055	"	4'1989
55	ω	+24	241	30 59	76 19	64 42	74 09	30 01	56 24	2'1151	3'5220	4'1084
56	r	-2 $\frac{3}{4}$	683	40 52	72 09	63 47	66 56	38 31	46 02	2'0313	2'3480	3'1047
57	R	-24	241	29 58	76 11	"	74 09	29 01	57 16	"	3'5220	4'0658
58	ξ	+32	321	60 48	74 31	72 24	60 24	57 16	28 02	3'1517	1'7610	3'6103
59	G	-32	321	60 08	74 13	71 57	"	56 34	28 37	3'0679	"	3'5373
60	K	-1 $\frac{1}{2}$ 2	12'10'5	54 15	71 39	67 46	"	50 22	33 41	2'4459	"	3'0141
61	J	+1 $\frac{1}{2}$ 2	132	22 59	55 07	29 15	52 52	18 41	49 03	0'5602	1'3208	1'4347
62	χ	+1 $\frac{1}{2}$ 2	1'11'2	6 36	78 24	"	78 20	6 28	76 41	"	4'8428	4'8751
63	β	-3 $\frac{3}{4}$	362	24 48	71 49	56 32	69 16	28 10	55 32	1'5130	2'6415	3'0442
64	ρ	-1 $\frac{1}{2}$ 2	134	18 11	38 48	12 14	33 26	10 16	32 50	0'2170	0'6604	0'6951
65	S	-1 $\frac{1}{2}$ 2	125	25 09	21 16	9 23	19 24	8 52	19 10	0'1654	0'3522	0'3891
66	λ	-2 $\frac{6}{5}$	2'18'3	7 00	79 21	32 59	79 17	6 53	77 17	0'6492	5'2830	5'3228
67	δ	+2 $\frac{4}{5}$	243	31 59	54 09	36 14	49 34	25 25	43 26	0'7330	1'1740	1'3841
68	d	-2 $\frac{4}{5}$	243	28 57	53 18	32 59	"	22 50	44 34	0'6492	"	1'3415
69	Δ	-2 $\frac{1}{3}$ 10	2'10'3	12 28	71 36	"	71 11	11 49	67 53	"	2'9350	3'0199
70	e	-2 $\frac{4}{5}$	2'4'5	27 53	38 33	20 26	35 09	16 57	33 25	0'3727	0'7044	0'7970
71	H	+1 $\frac{1}{2}$ 10	4'10'7	26 45	54 38	32 23	51 31	21 32	46 44	0'6342	1'2574	1'4087

Kupferuranit.

Tetragonal.

$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 1'4691$	$\lg c = 0'16705$	$\lg a_0 = 983295$	$a_0 = 0'6807$
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Nr.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d = $\operatorname{tg} \rho$
1	o	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	n	000	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	45 00	"	90 00	"	45 00	45 00	1'0000	"	"
4	d	0 $\frac{2}{3}$	025	0 00	30 26	0 00	30 26	0 00	30 26	o	0'5876	0'5876
5	g	0 $\frac{1}{2}$	012	"	36 18	"	36 18	"	36 18	"	0'7345	0'7345
6	E	0 $\frac{4}{7}$	047	"	40 01	"	40 01	"	40 01	"	0'8395	0'8395
7	e	0 $\frac{2}{3}$	023	"	44 24	"	44 24	"	44 24	"	0'9794	0'9794
8	z	0 $\frac{3}{5}$	035	"	41 23	"	41 23	"	41 23	"	0'8814	0'8814
9	f	0 $\frac{7}{9}$	067	"	51 32	"	51 32	"	51 32	"	1'2592	1'2592

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
10	y	01	011	0° 00	55° 45'	0° 00	55° 45'	0° 00	55° 45'	0	1'4691	1'4691
11	f	0 $\frac{1}{2}$	043	"	62 57'	"	62 57'	"	62 57'	"	1'9588	1'9588
12	P	02	021	"	71 12	"	71 12	"	71 12	"	2'9382	2'9382
13	c	$\frac{1}{2}$	112	45 00	46 05'	36 18	36 18	30 37'	30 37'	0'7345	0'7345	1'0388
14	p	1	111	"	64 18	55 45'	55 45'	39 34'	39 34'	1'4691	1'4691	2'0776
15	v	$\frac{3}{2}$	332	"	72 12'	65 35'	65 35'	42 19	42 19	2'2036	2'2036	3'1163

Kupfervitriol.

Triklin.

$p_0 = 0.8982$	$\lambda = 65.04$	$a = 0.5329$	$\alpha = 112.50$	$x_0 = 0.2624$	$d = 0.4965$
$q_0 = 0.4974$	$\mu = 70.22$	$b = 1$	$\beta = 106.49$	$y_0 = 0.4215$	$\delta = 31.54$
$r_0 = 1$	$\nu = 79.19$	$c = 0.5187$	$\gamma = 92.56$	$h = 0.8680$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	k	0	001	31° 54	29° 46	16° 49	25° 54	15° 13	24° 56	0'3023	0'4856	0'5720
2	r	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	n	$\infty 0$	100	79 19	"	90 00	"	79 19	10 41	5'3008	"	"
4	m	∞	110	53 03	"	"	"	53 03	36 57	1'3295	"	"
5	t	2 ∞	210	64 48	"	"	"	64 48	25 11	2'1258	"	"
6	f	3 ∞	310	69 22	"	"	"	69 22	20 38	2'5957	"	"
7	d	2 ∞	210	95 19	"	"	90 00	84 41	5 19	10'738	"	"
8	e	$\infty \infty$	110	110 33	"	"	"	69 27	20 33	2'6674	"	"
9	h	$\infty 2$	120	133 11	"	"	"	46 49	43 11	1'0656	"	"
10	a	$\infty 3$	130	146 20	"	"	"	33 39	56 20	0'6658	"	"
11	v	01	011	15 56	47 45	16 49	46 38	11 43	45 23	0'3023	1'0586	1'1010
12	o	01	011	106 07	17 28	"	4 59	16 45	4 46	"	0'0873	3'1466
13	q	02	021	155 24	35 59	"	33 26	14 09	32 18	"	0'6604	7'2627
14	w	03	031	166 13	51 47	"	50 58	10 46	49 44	"	1'2334	1'2699
15	p	10	101	67 39	37 41	35 33	16 22	34 26	13 26	0'7145	0'2938	0'7726
16	s	11	111	39 30	48 19	"	40 55	28 22	35 11	"	0'8668	1'1233
17	x	12	121	26 23	58 07	"	55 13	22 10	49 31	"	1'4399	1'6074
18	z	13	131	153 22	57 54	"	54 57	22 19	49 14	"	1'4253	1'5944

Lanarkit.

Monoklin.

a = 1'4934	lga = 017418	lga _o = 003317	lg p _o = 996683	a _o = 1'0794	p _o = 0'9264
c = 1'3836	lg c = 014101	lgb _o = 985899	lg q _o = 008121	b _o = 0'7227	q _o = 1'2056
$\mu = \left. \begin{matrix} 180 - \beta \\ 60^\circ 37' \end{matrix} \right\}$	$\left. \begin{matrix} lgh = \\ \lg \sin \mu \end{matrix} \right\} 994020$	$\left. \begin{matrix} lge = \\ \lg \cos \mu \end{matrix} \right\} 969077$	lg ^{p_o} q _o = 988562	h = 0'8714	e = 0'4906

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	u	0	001	90° 00	29° 23	29° 23	0° 00	29° 23	0° 00	0'5630	0	0'5630
2	a	∞0	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	c	— $\frac{1}{2}$ 0	102	"	1 48	1 48	"	1 48	"	0'0314	"	0'0314
4	σ	— $\frac{1}{4}$ 0	11'0'4	90 00	67 02	67 02	"	67 02	"	2'3606	"	2'3606
5	z	+13	131	21 23	77 21	58 25	76 27	20 51	65 18	1'6262	4'1508	4'4579
6	s	— $\frac{1}{2}$ 2	1'10'5	7 14	70 16	19 18	70 08	6 47	69 03	0'3504	2'7672	2'7893

Langbanit.

Hexagonal-holoedrisch.

c = 1'6437	lg c = 021582	lga _o = 002274	lg p _o = 003973	a _o = 1'0538	p _o = 1'0958	(G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_o	η_o	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	n	∞0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞∞	1120	30 00	"	90 00	"	30 00	60 00	0'5773	"	"
4	l	2∞	2130	19 06	"	"	"	19 06	70 53	0'3464	"	"
5	e	$\frac{1}{2}$ 0	1012	0 00	28 43	0 00	28 43	0 00	28 43	0	0'5479	0'5479
6	f	10	1011	"	47 37	"	47 37	"	47 37	"	1'0957	1'0957
7	g	20	2021	"	65 28	"	65 28	"	65 28	"	2'1914	2'1914
8	p	$\frac{1}{2}$	1122	30 00	43 30	25 23	39 25	20 08	36 35	0'4744	0'8218	0'9489
9	o	1	1121	"	62 13	43 30	58 41	26 15	50 00	0'9489	1'6435	1'8978
10	d	2	2241	"	75 14	62 13	73 05	28 55	56 52	1'8978	3'2871	3'7956
11	i	1 $\frac{1}{2}$	2132	19 06	55 24	55 23	53 52	15 38	51 03	0'4744	1'3696	1'4495
12	h	41	4151	10 53	78 44	43 30	78 32	10 41	74 23	0'9489	4'9305	5'0211

Langit.

Rhombisch.

a = 0.7879	lga = 989647	lga ₀ = 027188	lg p ₀ = 972812	a ₀ = 1.8702	p ₀ = 0.5347
c = 0.4213	lg c = 962459	lg b ₀ = 037541	lg q ₀ = 962459	b ₀ = 2.3736	q ₀ = 0.4213

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	a	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	00	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	c	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	e	∞	110	51 46	"	"	90 00	51 46	38 14	1.2692	∞	"
5	f	10	101	90 00	28 08	28 08	0 00	28 08	0 00	0.5347	0	0.5347

Lansfordit.

Triklin.

p ₀ = 1.0259	λ = 84° 06	a = 0.5493	α = 95° 22	x ₀ = 0.1770	d = 0.2047
q ₀ = 0.5570	μ = 79° 28	b = 1	β = 100° 15	y ₀ = 0.1028	δ = 59° 51
r ₀ = 1	ν = 86° 31	c = 0.5655	γ = 92° 28	h = 0.9788	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' = tg ϱ
1	c	0	001	59° 51	11° 48	10° 15	5° 59	10° 11	5° 54	0.1808	0.1050	0.2041
2	b	00	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	h	∞5	150	19 47	"	90 00	"	19 47	70 13	0.3596	"	"
4	m	∞	110	58 50	"	"	"	58 50	31 10	1.6535	"	"
5	k	3∞	310	97 03	"	"	90 00	82 57	7 03	8.0822	"	"
6	M	∞∞	110	115 47	"	"	"	64 13	25 47	2.0700	"	"
7	l	∞7	170	165 03	"	"	"	14 56	75 03	0.2669	"	"
8	d	02	021	8 16	51 28	10 15	51 11	6 28	50 44	0.1808	1.2431	1.2562
9	e	02	021	170 04	46 22	"	45 56	7 10	45 28	"	1.0330	1.0488
10	f	20	201	90 40	62 23	62 23	1 16	62 22	0 35	1.9114	0.0223	1.9110
11	P	1	111	58 59	55 04	50 49	36 25	44 38	24 59	1.2270	0.7377	1.4317
12	p	11	111	108 04	52 14	"	21 49	48 43	14 11	"	0.4004	1.2906
13	y	11	111	54 48	46 38	40 52	31 24	36 27	24 46	0.8653	0.6104	1.0580
14	n	1	111	121 22	45 23	"	27 49	37 25	21 45	"	0.5276	1.0135
15	q	13	131	152 33	61 57	"	59 01	24 00	51 33	"	1.6658	1.8771
16	o	12	112	121 41	21 54	18 53	11 56	18 31	11 18	0.3422	0.2112	0.4022
17	x	12	132	20 16	44 39	"	42 49	14 05	41 14	"	0.9267	0.9870
18	π	12	152	165 46	54 18	"	53 27	11 31	51 55	"	1.3494	1.3421

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
19	r	$\frac{1}{2}\frac{1}{2}$	132	135° 31'	45° 08'	35° 08'	35° 37'	29° 46'	30° 22'	0.7039	0.7166	1.0045
20	s	$\frac{1}{2}\frac{1}{2}$	172	159 13	63 15	"	61 40	18 28	56 36	"	1.8548	1.9839
21	q	$\frac{3}{2}\frac{1}{2}$	312	92 45	60 17	60 15	4 48	60 10	2 30	1.7500	0.0841	1.7521
22	z	$\frac{3}{2}\frac{1}{2}$	312	78 02	54 50	54 14	16 23	53 06	9 45	1.3884	0.2941	1.4192
23	w	$\frac{5}{2}\frac{1}{2}$	5.15.1	31 15	84 08	78 48	83 09	31 04	58 15	5.0499	8.3224	9.7346
24	r	$\frac{1}{2}\frac{1}{2}$	10.12.11	111 34	50 35	48 32	24 06	45 56	16 30	1.1319	0.4476	1.2172

Lanthanit.

Rhombisch.

a = 0.9528	lg a = 997900	lg a ₀ = 002365	lg p ₀ = 997635	a ₀ = 1.0560	p ₀ = 0.9470
c = 0.9023	lg c = 995535	lg b ₀ = 004465	lg q ₀ = 995535	b ₀ = 1.1083	q ₀ = 0.9023

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	∞0	100	90° 00	90 00	90 00	"	90 00	"	∞	"	∞
3	m	∞	110	46 23	"	"	90 00	46 23	43 37	1.0495	∞	"
4	o	1	111	"	52 36	43 26	42 03	35 06	33 14	0.9470	0.9023	1.3080

Laumontit.

Monoklin.

a = 1.1451	lg a = 005885	lg a ₀ = 998656	lg p ₀ = 001344	a ₀ = 0.9695	p ₀ = 1.0314
c = 1.1811	lg c = 007229	lg b ₀ = 992771	lg q ₀ = 004176	b ₀ = 0.8467	q ₀ = 1.1009
$\mu = \frac{1}{180} \beta = 68.46$	$\lg h = \frac{1}{\lg \sin \mu} 996947$	$\lg e = \frac{1}{\lg \cos \mu} 955891$	$\lg \frac{p_0}{q_0} = 997168$	h = 0.9321	e = 0.3622

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
1	x	0	001	90° 00	21° 14	21° 14	0° 00	21° 14	0° 00	0.3885	0	0.3885
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	43 08	"	"	90 00	43 08	46 52	0.3969	∞	"
5	d	+10	101	90 00	56 13	56 13	0 00	56 13	0 00	1.4950	0	1.4950
6	e	-10	101	90 00	35 40	35 40	"	35 40	"	0.7179	"	0.7179
7	f	-30	301	"	71 09	71 09	"	71 09	"	2.9309	"	2.9309
8	r	+ $\frac{1}{2}$	112	57 55	48 01	43 17	30 34	39 02	23 16	0.9418	0.5905	1.1117
9	u	- $\frac{1}{2}$	112	15 35	31 30	9 21	"	8 03	30 14	0.1647	"	0.6131

Laurionit.

Rhombisch.

$a = 0.7328$	$\lg a = 986499$	$\lg a_0 = 994513$	$\lg p_0 = 005487$	$a_0 = 0.8813$	$p_0 = 1.1347$
$c = 0.8315$	$\lg c = 991986$	$\lg b_0 = 008014$	$\lg q_0 = 991986$	$b_0 = 1.2027$	$q_0 = 0.8315$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\tan \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	l	2∞	210	69 52	"	"	90 00	69 52	20 07	2'7292	∞	"
5	m	∞	110	53 46	"	"	"	53 46	36 14	1'3646	"	"
6	n	∞2	120	34 18	"	"	"	34 18	55 41	0'6823	"	"
7	d	0½	012	0 00	22 34	0 00	22 34	0 00	22 34	0	0'4157	0'4157

Laurit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\tan \varrho$
1	c	0 0∞	001 010	— 0° 00	0° 00 90 00	0° 00 "	0° 00 90 00	0° 00 "	0° 00 90 00	0 "	0 ∞	0 ∞
2	e	0½ 02 ∞2	012 021 120	" " 26 34	26 34 63 26 90 00	" " 90 00	26 34 63 26 90 00	" " 26 34	26 34 63 26 "	" " 0'5000	0'5000 2'0000 ∞	0'5000 2'0000 ∞
3	m	⅓ 13	113 131	45 00 18 26	25 14 72 27	18 26 45 00	18 26 71 34	17 33 "	17 33 64 45	0'3333 1'0000	0'3333 3'0000	0'4714 3'1623
4	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142

Lautarit.

Monoklin.

$a = 0.6331$	$\lg a = 980147$	$\lg a_0 = 999110$	$\lg p_0 = 000890$	$a_0 = 0.9797$	$p_0 = 1.0207$
$c = 0.6462$	$\lg c = 981037$	$\lg b_0 = 018963$	$\lg q_0 = 979241$	$b_0 = 1.5475$	$q_0 = 0.6200$
$\mu = \frac{1}{180 - \beta} \left\{ 73^\circ 38' \right.$	$\left. \begin{array}{l} \lg h = \\ \lg \sin \mu \end{array} \right\} 998204$	$\left. \begin{array}{l} \lg e = \\ \lg \cos \mu \end{array} \right\} 944992$	$\lg \frac{p_0}{q_0} = 021649$	$h = 0.9595$	$e = 0.2818$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\operatorname{tg} \varrho$
1	c	o	001	90° 00	16° 22	16° 22	0° 00	16° 22	0° 00	0.2937	o	0.2937
2	b	oo	010	0 00	90 00	0 00	90 00	0 00	90 00	o	∞	∞
3	m	∞	110	58 43'	"	90 00	"	58 43'	31 16'	1.6462	"	"
4	l	∞2	120	39 27'	"	"	"	39 27'	50 32'	0.8231	"	"
5	q	01	011	24 26'	35 22	16 22	32 52	13 51'	31 48	0.2937	0.6462	0.7098
6	r	+10	101	90 00	53 37'	53 37'	0 00	53 37'	0 00	1.3575	o	1.3575
7	n	-10	101	90 00	37 58'	37 58'	"	37 58'	"	0.7805	"	0.7805

Lavenit.

Monoklin.

$a = 1.0963$	$\lg a = 003993$	$\lg a_0 = 018556$	$\lg p_0 = 981444$	$a_0 = 1.5331$	$p_0 = 0.6523$
$c = 0.7151$	$\lg c = 985437$	$\lg b_0 = 014563$	$\lg q_0 = 982652$	$b_0 = 1.3984$	$q_0 = 0.6707$
$\mu = \frac{1}{180 - \beta} \left\{ 69^\circ 42' \right.$	$\left. \begin{array}{l} \lg h = \\ \lg \sin \mu \end{array} \right\} 997215$	$\left. \begin{array}{l} \lg e = \\ \lg \cos \mu \end{array} \right\} 954025$	$\lg \frac{p_0}{q_0} = 998792$	$h = 0.9379$	$e = 0.3469$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\operatorname{tg} \varrho$
1	b	oo	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	o	∞	∞
2	a	∞o	100	90 00	"	90 00	0 00	90 00	0 00	∞	o	"
3	m	∞	110	44 12	"	"	90 00	44 12	45 48	0.9726	∞	"
4	n	2∞	210	62 47'	"	"	"	62 47'	27 12'	1.9451	"	"
5	l	3∞	310	71 05	"	"	"	71 05	18 55	2.9176	"	"
6	r	01	011	27 21	38 50'	20 18	35 34	16 45	33 51	0.3699	0.7151	0.8051
7	q	+10	101	90 00	46 49	46 49	0 00	46 49	0 00	1.0653	o	1.0653
8	e	1	111	56 08	52 04	"	35 34	40 54'	26 04'	"	0.7151	1.2831

Lawsonit.

Rhombisch.

$a = 0.6652$	$\lg a = 982295$	$\lg a_0 = 995460$	$\lg p_0 = 004540$	$a_0 = 0.9007$	$p_0 = 1.1102$
$c = 0.7385$	$\lg c = 986835$	$\lg b_0 = 013165$	$\lg q_0 = 986835$	$b_0 = 1.3541$	$q_0 = 0.7385$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y	d = $\lg \rho$
1	o	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	b	00	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	56 22	"	90 00	"	56 22	33 38	1.5033	"	"
4	d	01	011	0 00	36 27	0 00	36 27	0 00	36 27	o	0.7385	0.7385
5	e	04	041	"	71 18	"	71 18	"	71 18	"	2.9540	2.9540

Lazulith.

Monoklin.

$a = 0.9750$	$\lg a = 998900$	$\lg a_0 = 977196$	$\lg p_0 = 022804$	$a_0 = 0.5915$	$p_0 = 1.6906$
$c = 1.6483$	$\lg c = 021704$	$\lg b_0 = 978296$	$\lg q_0 = 021700$	$b_0 = 0.6067$	$q_0 = 1.6482$
$\mu = \frac{1}{180} \beta = 89.14$	$\lg h = \frac{1}{999996}$	$\lg e = \frac{1}{812647}$	$\lg p_0 = 001104$	$h = 0.9999$	$e = 0.0134$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \rho'$
1	c	o	001	90° 00	0° 46	0° 46	0° 00	0° 46	0° 00	0.0134	o	0.0134
2	b	00	010	0 00	90 00	0 00	90 00	0 00	90 00	o	∞	∞
3	a	∞	100	90 00	"	90 00	0 00	90 00	0 00	∞	o	"
4	m	∞	110	45 44	"	"	90 00	45 44	44 16	1.0257	∞	"
5	u	$0\frac{1}{2}$	012	0 56	39 30	0 46	39 29	0 35	39 29	0.0134	0.8241	0.8243
6	d	01	011	0 28	58 45	"	58 45	0 24	58 45	"	1.6483	1.6483
7	t	$+\frac{1}{10}$	101	90 00	59 36	59 36	0 00	59 36	0 00	1.7041	o	1.7041
8	y	$+\frac{1}{30}$	103	"	29 59	29 59	"	29 59	"	0.5769	"	0.5769
9	s	$-\frac{1}{10}$	101	90 00	59 12	59 12	"	59 12	"	1.6773	"	1.6773
10	r	$+\frac{1}{2}$	221	45 50	78 04	73 35	73 07	44 35	42 58	3.3949	3.2966	4.7322
11	p	$+\frac{1}{1}$	111	45 57	67 08	59 36	58 45	41 28	39 50	1.7041	1.6483	2.3709
12	z	$+\frac{1}{3}$	112	46 10	49 58	40 39	39 29	33 32	32 01	0.8588	0.8241	1.1904
13	x	$+\frac{1}{3}$	113	46 24	38 33	29 59	28 47	26 49	25 27	0.5769	0.5494	0.7967
14	v	$-\frac{1}{3}$	113	45 02	37 52	28 49	"	25 44	25 42	0.5501	"	0.7775
15	e	$-\frac{1}{1}$	111	45 30	66 58	59 12	58 45	41 01	40 10	1.6773	1.6483	2.3517
16	q	$+\frac{1}{12}$	212	64 11	62 09	59 36	39 29	52 45	22 38	1.7041	0.8241	1.8920

Leadhillit.

Monoklin.

$a = 0.8738$	$\lg a = 994141$	$\lg a_0 = 989695$	$\lg p_0 = 010305$	$a_0 = 0.7888$	$p_0 = 1.2678$
$c = 1.1078$	$\lg c = 004446$	$\lg b_0 = 995554$	$\lg q_0 = 004446$	$b_0 = 0.9027$	$q_0 = 1.1078$
$\mu_{180} = \beta \left. \begin{array}{l} 89^\circ 48' \\ \end{array} \right\}$	$\left. \begin{array}{l} \lg h = \\ \lg \sin \mu \end{array} \right\} 0$	$\left. \begin{array}{l} \lg e = \\ \lg \cos \mu \end{array} \right\} 754291$	$\lg \frac{p_0}{q_0} = 005859$	$h = 1$	$e = 0.0035$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' $= \lg e$
1	c	0	001	90° 00	0° 12	0° 12	0° 00	0° 12	0° 00	0.0035	0	0.0035
2	b	00	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	d	20	210	66 24	"	"	90 00	66 24	23 36	2.2888	∞	"
5	F	$\frac{2}{3}$ 0	320	59 47	"	"	"	59 47	30 13	1.7166	"	"
6	l	∞	110	48 51	"	"	"	48 51	41 09	1.1444	"	"
7	L	$\infty \frac{3}{2}$	230	37 20	"	"	"	37 20	52 39	0.7629	"	"
8	m	$\infty 2$	120	29 47	"	"	"	29 47	60 13	0.5722	"	"
9	β	$0 \frac{1}{2}$	012	0 21	28 59	0 12	28 59	0 10	28 59	0.0035	0.5539	0.5539
10	g	01	011	0 11	47 55	"	47 55	0 08	47 55	"	1.1078	1.1078
11	h	$0 \frac{1}{2}$	032	0 07	58 57	"	58 57	0 06	58 57	"	1.6617	1.6617
12	y	+40	401	90 00	78 51	78 51	0 00	78 51	0 00	5.0746	0	5.0746
13	u	+20	201	"	68 30	68 30	"	68 30	"	2.5391	"	2.5391
14	z	+ $\frac{3}{2}$ 0	302	"	62 18	62 18	"	62 18	"	1.9052	"	1.9052
15	w	+10	101	"	51 49	51 49	"	51 49	"	1.2713	"	1.2713
16	i	+ $\frac{3}{2}$ 0	203	"	40 19	40 19	"	40 19	"	0.8487	"	0.8487
17	λ	+ $\frac{3}{2}$ 0	102	"	32 31	32 31	"	32 31	"	0.6374	"	0.6374
18	f	-10	101	90 00	51 39	51 39	"	51 39	"	1.2643	"	1.2643
19	e	-20	201	"	68 27	68 27	"	68 27	"	2.5321	"	2.5321
20	k	+1	111	48 56	59 20	51 49	47 55	40 25	34 24	1.2713	1.1078	1.6862
21	p	-1	111	48 46	59 15	51 39	"	40 16	34 30	1.2643	"	1.6809
22	x	+12	121	29 51	68 37	51 49	65 42	27 36	53 52	1.2713	2.2156	2.5544
23	s	+1 $\frac{1}{2}$	212	66 27	54 12	"	28 59	48 02	18 54	"	0.5539	1.3867
24	q	-1 $\frac{1}{2}$	212	66 20	54 04	51 39	"	47 53	18 58	1.2643	"	1.3803
25	o	-1 $\frac{3}{2}$	232	37 16	64 24	"	58 57	33 06	45 52	"	1.6617	2.0880
26	r	-12	121	29 42	68 35	"	65 42	27 29	53 58	"	2.2156	2.5509
27	n	-1 $\frac{3}{2}$	272	18 03	76 13	"	75 32	17 31	67 25	"	3.8773	4.0782
28	γ	+31	311	73 46	75 50	75 17	47 55	68 35	15 43	3.8069	1.1078	3.9648
29	ζ	+21	211	66 26	70 09	68 30	"	59 33	22 05	2.5391	"	2.7702
30	t	+ $\frac{1}{2}$ 1	122	29 55	51 57	32 31	"	23 07	43 03	0.6374	"	1.2781
31	v	- $\frac{1}{2}$ 1	122	29 38	51 53	32 13	"	22 54	43 08	0.6304	"	1.2746
32	ρ	- $\frac{3}{4}$ 1	233	37 13	54 17	40 05	"	29 25	40 17	0.8417	"	1.3913
33	ω	+2 $\frac{1}{2}$	412	77 41	68 57	68 30	28 59	65 46	11 28	2.5391	0.5539	2.5988

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
34	ψ	$-2\frac{1}{2}$	412	77° 39'	68° 54'	68° 27'	28° 59'	65° 42'	11° 30'	2° 53' 21"	0° 55' 39"	2° 59' 20"
35	τ	$-\frac{4}{3}$	4' 14' 7	18 01'	66 46'	35 47'	65 42'	16 31'	60 54'	0° 72' 09"	2° 21' 56"	2° 32' 09"
36	δ	$+\frac{1}{2}\frac{1}{4}$	214	66 31'	34 48'	32 31'	15 29'	31 34'	13 09'	0° 63' 74"	0° 27' 69"	0° 69' 50"
37	μ	$-\frac{1}{2}\frac{1}{2}$	214	66 17'	34 33'	32 13'	"	31 17'	13 11'	0° 63' 04"	"	0° 68' 86"
38	ρ	$+\frac{1}{3}\frac{2}{3}$	123	29 59'	40 27'	23 04'	36 27'	18 55'	34 11'	0° 42' 61"	0° 73' 85"	0° 85' 27"
39	λ	$-\frac{1}{3}\frac{1}{6}$	216	66 14'	24 36'	22 44'	10 27'	22 24'	9 40'	0° 41' 91"	0° 18' 46"	0° 45' 80"

Lecontit.

Rhombisch.

$a = 0.7848$	$\lg a = 989476$	$\lg a_0 = 970958$	$\lg p_0 = 029042$	$a_0 = 0.5124$	$p_0 = 1.9517$
$c = 1.5317$	$\lg c = 018518$	$\lg b_0 = 981482$	$\lg q_0 = 018518$	$b_0 = 0.6529$	$q_0 = 1.5317$

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	m	∞	110	51° 52'	90 00'	90 00'	90 00'	51 52'	38 07'	1° 27' 42"	∞	∞
3	g	$\infty 2$	120	32 30'	"	"	"	32 30'	57 30'	0° 63' 71"	"	"
4	d	$\frac{1}{2}0$	104	90 00'	26 01'	26 01'	0 00'	26 01'	0 00'	0° 48' 79"	0	0° 48' 79"
5	e	10	101	"	62 53'	62 53'	"	62 53'	"	1° 95' 17"	"	1° 95' 17"

Leucit.

Regulär. (?)

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} — \\ 0° 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 011 \\ 110 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 45 00' \end{array} \right.$	$\left\{ \begin{array}{l} 45 00' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} 45 00' \\ 90 00' \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 45 00' \end{array} \right.$	$\left\{ \begin{array}{l} 45 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 1° 0000 \end{array} \right.$	$\left\{ \begin{array}{l} 1° 0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 1° 0000 \\ \infty \end{array} \right.$
3	q	$\left\{ \begin{array}{l} \frac{1}{2} \\ 12 \end{array} \right.$	$\left\{ \begin{array}{l} 112 \\ 121 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 26 34' \end{array} \right.$	$\left\{ \begin{array}{l} 35 16' \\ 65 54' \end{array} \right.$	$\left\{ \begin{array}{l} 26 34' \\ 45 00' \end{array} \right.$	$\left\{ \begin{array}{l} 26 34' \\ 63 26' \end{array} \right.$	$\left\{ \begin{array}{l} 24 05' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 24 05' \\ 54 44' \end{array} \right.$	$\left\{ \begin{array}{l} 0° 5000 \\ 1° 0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 5000 \\ 2° 0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 70' 1 \\ 2° 23' 60 \end{array} \right.$

Leukophan.

Rhombisch. Sphenoidisch-hemiedrisch.

$a = 0.9939$	$\lg a = 999734$	$\lg a_0 = 016984$	$\lg p_0 = 983016$	$a_0 = 1.4786$	$p_0 = 0.6763$
$c = 0.6722$	$\lg c = 982750$	$\lg b_0 = 017250$	$\lg q_0 = 982750$	$b_0 = 1.4877$	$q_0 = 0.6722$

No.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	"
2	b	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	n	3∞	310	71 40	"	"	90 00	71 40	18 20	3'0184	∞	"
5	m	∞	110	45 10	"	"	"	45 10	44 49	1'0061	"	"
6	z	0 $\frac{3}{8}$	056	0 00	29 15	0 00	29 15	0 00	29 15	0	0'5601	0'5601
7	y	0 $\frac{3}{2}$	054	"	40 02	"	40 02	"	40 02	"	0'8402	0'8402
8	x	02	021	"	53 21	"	53 21	"	53 21	"	1'3444	1'3444
9	l	$\frac{1}{2}$ 0	106	90 00	6 26	6 26	0 00	6 26	0 00	0'1127	0	0'1127
10	k	$\frac{1}{3}$ 0	105	"	7 42	7 42	"	7 42	"	0'1352	"	0'1352
11	i	$\frac{1}{4}$ 0	104	"	9 36	9 36	"	9 36	"	0'1691	"	0'1691
12	h	$\frac{1}{3}$ 0	103	"	12 42	12 42	"	12 42	"	0'2254	"	0'2254
13	e	10	101	"	34 04	34 04	"	34 04	"	0'6763	"	0'6763
14	f	20	201	"	53 31	53 31	"	53 31	"	1'3526	"	1'3526
15	g	40	401	"	69 43	69 43	"	69 43	"	2'7053	"	2'7053
16	α	$\frac{1}{5}$	119	45 10	6 03	4 18	4 16	4 17	4 15	0'0751	0'0747	0'1060
17	β	$\frac{1}{8}$	118	"	6 48	4 50	4 48	4 49	4 47	0'0845	0'0840	0'1192
18	γ	$\frac{1}{7}$	117	"	7 45	5 31	5 29	5 29	5 27	0'0966	0'0960	0'1362
19	δ	$\frac{1}{6}$	116	"	9 02	6 26	6 23	6 23	6 21	0'1127	0'1120	0'1589
20	ϵ	$\frac{2}{3}$	225	"	20 52	15 08	15 03	14 38	14 33	0'2705	0'2689	0'3814
21	ζ	$\frac{2}{3}$	223	"	32 26	24 16	24 08	22 22	22 13	0'4509	0'4481	0'6357
22	v	$\frac{4}{3}$	445	"	37 20	28 25	28 16	25 29	25 19	0'5410	0'5377	0'7629
23	p	1	111	"	43 38	34 04	33 54	29 18	29 06	0'6763	0'6715	0'9536
24	q	2	221	"	62 20	53 31	53 21	38 55	38 38	1'3527	1'3444	1'9071
25	λ	$1\frac{1}{2}$	212	63 34	37 03	34 04	18 34	32 40	15 33	0'6763	0'3361	0'7552
26	μ	$\frac{1}{2}$ 1	122	26 42	36 57	18 41	33 54	15 40	32 29	0'3381	0'6715	0'7525
27	A	$\frac{2}{3}$ $\frac{7}{12}$	8'7'12	48 59	30 51	24 16	21 14	22 46	19 40	0'4509	0'3921	0'5975

Libethenit.

Rhombisch.

$a = 0.9601$	$\lg a = 998232$	$\lg a_0 = 013604$	$\lg p_0 = 986396$	$a_0 = 1.3679$	$p_0 = 0.7311$
$c = 0.7019$	$\lg c = 984628$	$\lg b_0 = 015372$	$\lg q_0 = 984628$	$b_0 = 1.4247$	$q_0 = 0.7019$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	b	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0 ∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	c	∞	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	m	∞	110	46° 10	"	"	90° 00	46° 10	43° 50	1'0415	∞	"
5	t	2 ∞	210	64° 21'	"	"	"	64° 21'	25° 38'	2'0831	"	"
6	δ	3 ∞	310	72° 15	"	"	"	72° 15	17° 45	3'1246	"	"
7	e	01	011	0° 00	35° 04	0° 00	35° 04	0° 00	35° 04	0	0.7019	0.7019
8	s	1	111	46° 10	45° 23	36° 10	"	30° 53'	29° 32'	0.7311	"	1'0135

Lievrit.

Rhombisch.

$a = 0.6665$	$\lg a = 982380$	$\lg a_0 = 017769$	$\lg p_0 = 982231$	$a_0 = 1.5055$	$p_0 = 0.6642$
$c = 0.4427$	$\lg c = 964611$	$\lg b_0 = 035389$	$\lg q_0 = 964611$	$b_0 = 2.2589$	$q_0 = 0.4427$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0 ∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	∞	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	η	2 ∞	730	74° 03'	"	"	90° 00	74° 03'	15° 56'	3'5009	∞	"
5	h	2 ∞	210	71° 34'	"	"	"	71° 34'	18° 26'	3'0007	"	"
6	θ	3 ∞	530	68° 12'	"	"	"	68° 12'	21° 48'	2'5006	"	"
7	μ	2 ∞	540	61° 56'	"	"	"	61° 56'	28° 04'	1'8755	"	"
8	M	2 ∞	110	56° 19'	"	"	"	56° 19'	33° 41'	1'5004	"	"
9	ν	2 ∞	340	48° 22'	"	"	"	48° 22'	41° 37'	1'1253	"	"
10	r	2 ∞	230	45° 00'	"	"	"	45° 00'	44° 59'	1'0002	"	"
11	N	2 ∞	7'11'0	41° 11'	"	"	"	41° 11'	48° 48'	0'8752	"	"
12	s	2	120	36° 52'	"	"	"	36° 52'	53° 07'	0'7502	"	"
13	t	23	130	26° 34'	"	"	"	26° 34'	63° 26'	0'5001	"	"
14	d	24	140	20° 33'	"	"	"	20° 33'	69° 26'	0'3751	"	"
15	n	0 $\frac{1}{2}$	012	0° 00	12° 29	0° 00	12° 29	0° 00	12° 29	0	0.2213	0.2213

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
16	φ	01	011	0° 00	23° 52'	0° 00	23° 52'	0° 00	23° 52'	0	0'4427	0'4427
17	e	02	021	"	41° 31'	"	41° 31'	"	41° 31'	"	0'8854	0'8854
18	π	$\frac{1}{2}0$	106	90° 00	6° 19	6° 19	0° 00	6° 19	0° 00	0'1107	0	0'1107
19	P	10	101	"	33° 35'	33° 35'	"	33° 35'	"	0'6642	"	0'6642
20	w	30	301	"	63° 21'	63° 21'	"	63° 21'	"	1'9926	"	1'9926
21	o	1	111	56° 19	38° 36'	33° 35'	23° 53'	31° 16'	20° 14'	0'6642	0'4427	0'7982
22	x	21	211	71° 34'	54° 28'	53° 01'	"	50° 32'	14° 54'	1'3284	"	1'4002
23	y	31	311	77° 28'	63° 54'	63° 21'	"	61° 14'	11° 14'	1'9926	"	2'0412
24	k	41	411	80° 32'	69° 38'	69° 22'	"	67° 37'	8° 52'	2'6569	"	2'6935
25	i	12	121	36° 52'	47° 54'	33° 35'	41° 31'	26° 26'	36° 24'	0'6642	0'8854	1'1068
26	u	13	131	26° 34'	56° 02'	"	53° 01'	21° 46'	47° 53'	"	1'3281	1'4849
27	l	42	421	71° 34'	70° 21'	69° 22'	41° 31'	63° 18'	17° 19'	2'6569	0'8854	2'8005

Linarit.

Monoklin.

a = 1'7352	lg a = 023935	lg a ₀ = 032048	lg p ₀ = 967952	a ₀ = 2'0916	p ₀ = 0'4781
c = 0'8296	lg c = 991887	lg b ₀ = 008113	lg q ₀ = 990344	b ₀ = 1'2054	q ₀ = 0'8006
$\mu_{180-\beta} = 74^\circ 49'$	lg h = 998457 lg sin μ	lg e = 941815 lg cos μ	lg p ₀ = 977608 lg q ₀	h = 0'9651	e = 0'2619

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	s	0	001	90° 00	15° 11	15° 11	0° 00	15° 11	0° 00	0'2714	0	0'2714
2	b	0 ∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
3	a	$\infty 0$	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	l	2 ∞	210	50° 03'	"	"	90° 00	50° 03'	39° 56'	1'1943	∞	"
5	m	∞	110	30° 50'	"	"	"	30° 50'	59° 09'	0'5971	"	"
6	α	0 $\frac{1}{2}$	0'1'13	76° 46'	15° 34'	15° 11'	3° 34'	15° 09'	3° 31'	0'2714	0'0638	0'2788
7	δ	0 $\frac{1}{2}$	019	71° 14'	15° 59'	"	5° 16'	15° 07'	5° 05'	"	0'0921	0'2866
8	e	01	011	18° 07'	41° 07'	"	39° 41'	11° 48'	38° 41'	"	0'8296	0'8729
9	σ	02	021	9° 17'	59° 15'	"	58° 55'	7° 58'	58° 01'	"	1'6592	1'6813
10	p	+60	601	90° 00	72° 52'	72° 52'	0° 00	72° 52'	0° 00	3'2437	0	3'2437
11	β	+70	705	"	43° 58'	43° 58'	"	43° 58'	"	0'9649	"	0'9649
12	π	+30	403	"	42° 59'	42° 59'	"	42° 59'	"	0'9319	"	0'9319
13	u	+10	101	"	37° 29'	37° 29'	"	37° 29'	"	0'7667	"	0'7667
14	ϱ	+180	19'0'20	"	36° 34'	36° 34'	"	36° 34'	"	0'7420	"	0'7420
15	x	+30	102	"	27° 26'	27° 26'	"	27° 26'	"	0'5190	"	0'5190
16	t	-10	106	"	10° 41'	10° 41'	"	10° 41'	"	0'1888	"	0'1888
17	o	-30	103	"	6° 04'	6° 04'	"	6° 04'	"	0'0261	"	0'0261
18	d	-30	708	90° 00	9° 12'	9° 12'	"	9° 12'	"	0'1621	"	0'1621

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\operatorname{tg} \varrho$
19	c	— 10	101	90° 00	12° 37	12° 37	0° 00	12° 37	0° 00	0° 2240	0° 00	0° 2240
20	y	— 20	301	"	35 44	35 44	"	35 44	"	0° 7194	"	0° 7194
21	η	— 60	601	"	69 41	69 41	"	69 41	"	2° 7010	"	2° 7010
22	g	+ 1	111	42 45	48 29	37 29	39 41	30 33	33 21	0° 7667	0° 8296	1° 1297
23	z	+ $\frac{1}{2}$	117	70 54	19 54	18 53	6 45	18 46	6 24	0° 3421	0° 1185	0° 3621
24	γ	+ $\frac{1}{10}$	1' 1' 10	75 30	18 20	17 48	4 44	17 44	4 31	0° 3210	0° 0829	0° 3315
25	q	— $\frac{1}{2}$	112	3 16	22 34	1 21	22 32	1 15	22 31	0° 0237	0° 4148	0° 4155
26	r	— 1	111	15 07	40 44	12 37	39 41	9 47	38 59	0° 2240	0° 8296	0° 8593
27	n	+ 12	121	24 48	28 19	37 29	58 55	21 35	52 47	0° 7667	1° 6592	1° 8278
28	w	— $1\frac{1}{2}$	212	28 22	25 14	12 37	22 32	11 41	22 02	0° 2240	0° 4148	0° 4714
29	v	+ $\frac{4}{7}\frac{1}{13}$	8' 1' 14	83 54	29 08	29 00	3 23	28 58	2 58	0° 5544	0° 0592	0° 5576

Linneit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\operatorname{tg} \varrho$
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} — \\ 0^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	p	1	111	45 00	54 44	45 00	45 00	35 16	35 16	1° 0000	1° 0000	1° 4142
3	y	$\left\{ \begin{array}{l} 1\frac{3}{4} \\ 2\frac{4}{3} \\ 3\frac{2}{3} \\ 2 \end{array} \right.$	$\left\{ \begin{array}{l} 234 \\ 243 \\ 342 \end{array} \right.$	$\left\{ \begin{array}{l} 33\ 41' \\ 26\ 34 \\ 36\ 52 \end{array} \right.$	$\left\{ \begin{array}{l} 42\ 02 \\ 56\ 08 \\ 68\ 12 \end{array} \right.$	$\left\{ \begin{array}{l} 26\ 34 \\ 33\ 41' \\ 56\ 18' \end{array} \right.$	$\left\{ \begin{array}{l} 36\ 52 \\ 53\ 08 \\ 63\ 26 \end{array} \right.$	$\left\{ \begin{array}{l} 21\ 48 \\ " \\ 33\ 51 \end{array} \right.$	$\left\{ \begin{array}{l} 33\ 51 \\ 47\ 58 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 5000 \\ 0^\circ 6667 \\ 1^\circ 5000 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 7500 \\ 1^\circ 3333 \\ 2^\circ 0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 9014 \\ 1^\circ 4007 \\ 2^\circ 5000 \end{array} \right.$

Liroconit.

Monoklin.

$a = 1.6809$	$\lg a = 0.22554$	$\lg a_0 = 0.10530$	$\lg p_0 = 9.89470$	$a_0 = 1.2744$	$p_0 = 0.7847$
$c = 1.3190$	$\lg c = 0.12024$	$\lg b_0 = 9.87976$	$\lg q_0 = 0.12010$	$b_0 = 0.7582$	$q_0 = 1.3186$
$\mu_{180-\beta} = 88^\circ 33$	$\lg h = 9.99986$	$\lg e = 8.40320$	$\lg \frac{p_0}{q_0} = 9.77460$	$h = 0.9997$	$e = 0.0253$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\operatorname{tg} \varrho$
1	o	∞	110	30° 45'	90° 00	90° 00	90° 00	30° 45'	59° 14'	0° 5951	∞	∞
2	m	01	011	1 06	52 50	1 27	52 50	0 52	52 49'	0° 0253	1° 3190	1° 3192

Löllingit.

Rhombisch.

a = 0.6689	lg a = 982536	lg a ₀ = 973436	lg p ₀ = 026564	a ₀ = 0.5424	p ₀ = 1.8435
c = 1.2331	lg c = 009100	lg b ₀ = 990900	lg q ₀ = 009100	b ₀ = 1.2331	q ₀ = 1.2331

N ^o .	Buchstaben	Symb.	Miller	φ	ρ	ξ ₀	η ₀	ξ	η	X (Prismen) (x : y)	y	d = tg ρ
1	a	∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	m	∞	110	56 13	"	90 00	"	56 13	33 46	1.4950	"	"
3	u	0½	014	0 00	17 08	0 00	17 08	0 00	17 08	0	0.3083	0.3083
4	q	0½	013	"	22 20	"	22 20	"	22 20	"	0.4110	0.4110
5	l	01	011	"	50 57	"	50 57	"	50 57	"	1.2331	1.2331
6	e	10	101	90 00	61 31	0 00	61 31	0 00	1.8435	0	1.8435	
7	a	½	112	56 13	47 57	42 40	31 39	38 07	24 23	0.9217	0.6165	1.1089

Löweit.

Tetragonal.

c p ₀	} = 1.304	lg c = 011528	lg a ₀ = 988472	a ₀ = 0.7668
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N ^o .	Buchstaben	Symb.	Miller	φ	ρ	ξ ₀	η ₀	ξ	η	X (Prismen) (x : y)	y	d = tg ρ
1	p	01	011	0° 00	52° 31	0° 00	52° 31	0° 00	52° 31	0	1.3040	1.3040

Ludlamit.

Monoklin.

a = 2.2527	lg a = 035270	lg a ₀ = 005560	lg p ₀ = 994440	a ₀ = 1.1366	p ₀ = 0.8798
c = 1.9820	lg c = 029710	lg b ₀ = 970290	lg q ₀ = 028970	b ₀ = 0.5045	q ₀ = 1.9485
μ = 180 - β = 79° 27	lg h = 999260 lg sin μ	lg e = 926267 lg cos μ	lg p ₀ = 965470 q ₀	h = 0.9831	e = 0.1831

N ^o .	Buchstaben	Symb.	Miller	φ	ρ	ξ ₀	η ₀	ξ	η	X' (Prismen) (x : y)	y'	d' = tg ρ
1	c	0	001	90° 00	10° 33	10° 33	0° 00	10° 33	0° 00	0.1862	0	0.1862
2	a	∞0	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	m	∞	110	24 18	"	"	90 00	24 18	65 42	0.4515	∞	"
4	l	01	011	5 22	63 20	10 33	63 13	4 48	62 50	0.1862	1.9820	1.9907
5	t	+20	201	90 00	63 09	63 09	0 00	63 09	0 00	1.9760	0	1.9760
6	d	-10	101	90 00	35 19	35 19	"	35 19	"	0.7087	"	0.7087
7	k	-20	201	"	58 03	58 03	"	58 03	"	1.6036	"	1.6036
8	p	+1	111	28 37	66 06	47 14	63 13	25 58	53 23	1.0811	1.9820	2.2577
9	r	+½	112	32 36	49 38	32 22	44 44	24 14	39 56	0.6337	0.9910	1.1763
10	q	-1	111	19 40	64 35	35 19	63 13	17 42	58 16	0.7087	1.9820	2.1049

Ludwigit.

Rhombisch.

$$\lg \frac{p_0}{q_0} = 0.00524; \frac{p_0}{q_0} = 1.0121; \frac{a}{b} = 0.988$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg α
1	k	4∞	410	76° 07'	90° 00'	90° 00'	90° 00'	76° 07'	13° 52'	4'0485	∞	∞
2	l	$3\sim$	310	71° 46'	"	"	"	71° 46'	18° 13'	3'0364	"	"
3	m	∞	110	45° 20'	"	"	"	45° 20'	44° 39'	1'0121	"	"
4	n	$\infty 2$	120	26° 50'	"	"	"	26° 50'	63° 09'	0'5061	"	"

Lunnit.

Triklin.

$p_0 = 0.5430$	$\lambda = 90^\circ 29'$	$a = 2.8252$	$\alpha = 89^\circ 29'$	$x_0 = 0.0175$	$d = 0.0195$
$q_0 = 1.5339$	$\mu = 89^\circ 00'$	$b = 1$	$\beta = 91^\circ 00'$	$y_0 = 0.0084$	$\delta = 115^\circ 40'$
$r_0 = 1$	$\nu = 89^\circ 21'$	$c = 1.5339$	$\gamma = 90^\circ 39'$	$h = 0.9998$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' = tg α
1	c	0	001	115° 34'	1° 07'	1° 00'	0° 29'	1° 00'	0° 29'	0.0175	0.0083	0.0195
2	b	$\infty\infty$	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
3	a	$\infty 0$	100	89° 21'	"	90° 00'	"	89° 21'	0° 39'	88.290	"	"
4	m	∞	110	19° 25'	"	"	"	19° 25'	70° 34'	0.3526	"	"
5	n	$\frac{1}{2}\infty$	540	23° 46'	"	"	"	23° 46'	66° 14'	0.4403	"	"
6	l	$\frac{1}{3}\infty$	430	25° 09'	"	"	"	25° 09'	64° 51'	0.4695	"	"
7	L	$\frac{1}{4}\infty$	430	154° 37'	"	"	90° 00'	25° 23'	64° 37'	0.4745	"	"
8	N	$\frac{1}{2}\infty$	540	156° 01'	"	"	"	23° 58'	66° 01'	0.4447	"	"
9	M	$\infty\infty$	110	160° 26'	"	"	"	19° 34'	70° 26'	0.3554	"	"
10	x	$0\frac{1}{5}$	045	179° 11'	51° 01'	1° 00'	51° 01'	0° 38'	51° 01'	0.0175	1.2357	1.2358
11	z	$\frac{3}{2}0$	302	89° 57'	39° 46'	39° 46'	0° 02'	39° 46'	0° 02'	0.8321	0.0007	0.8321
12	t	$\frac{1}{10}$	101	90° 14'	29° 16'	29° 16'	0° 08'	29° 16'	0° 07'	0.5606	0.0023	0.5606
13	q	$\frac{1}{2}0$	102	91° 03'	16° 07'	16° 07'	0° 18'	16° 07'	0° 17'	0.2890	0.0053	0.2891
14	r	$\frac{1}{10}$	101	91° 35'	27° 44'	27° 43'	0° 50'	27° 43'	0° 44'	0.5256	0.0145	0.5258
15	z	$\frac{3}{2}0$	302	91° 15'	38° 34'	38° 33'	1° 00'	38° 33'	0° 47'	0.7971	0.0175	0.7974
16	W	$\frac{1}{50}$	501	90° 28'	69° 40'	69° 40'	1° 16'	69° 40'	0° 26'	2.6980	0.0221	2.6981
17	h	$\frac{1}{2}\frac{1}{2}$	434	26° 01'	51° 57'	29° 16'	48° 57'	20° 12'	45° 03'	0.5606	1.1483	1.2778
18	H	$\frac{1}{2}\frac{1}{2}$	434	154° 04'	52° 02'	"	49° 03'	20° 10'	45° 10'	"	1.1529	1.2814
19	γ	$\frac{1}{2}\frac{1}{2}$	545	157° 03'	53° 26'	27° 43'	51° 09'	18° 14'	47° 42'	0.5256	1.2418	1.3485

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
20	Z	$\frac{1}{2}$	434	155° 43'	51° 57'	27° 43'	49° 21'	18° 54'	45° 53'	0° 52' 56"	1° 16' 51"	1° 27' 82"
21	X	$\frac{1}{3}$	434	24° 49'	51° 23'	"	48° 39'	19° 09'	45° 09'	"	1° 11' 03"	1° 25' 18"
22	I'	$\frac{1}{5}$	545	23° 26'	52° 53'	"	50° 29'	18° 29'	47° 02'	"	1° 21' 28"	1° 32' 18"
23	f	$\frac{2}{3}$	334	20° 19'	50° 43'	23° 01'	48° 54'	15° 36'	46° 33'	0° 42' 48"	1° 14' 68"	1° 22' 29"
24	d	$\frac{4}{3}$	445	20° 16'	52° 32'	24° 19'	50° 45'	15° 57'	48° 07'	0° 45' 20"	1° 22' 38"	1° 30' 46"
25	D	$\frac{4}{3}$	445	159° 50'	52° 40'	"	50° 54'	15° 54'	48° 16'	"	1° 23' 08"	1° 31' 12"
26	ω	$\frac{1}{2}$	312	134° 33'	48° 12'	38° 33'	38° 07'	32° 05'	31° 32'	0° 79' 71"	0° 78' 46"	1° 11' 85"
27	Ω	$\frac{1}{2}$	312	46° 46'	47° 34'	"	36° 51'	32° 32'	30° 22'	"	0° 74' 95"	1° 09' 41"
28	r	$\frac{5}{3}$	523	42° 00'	54° 03'	42° 41'	45° 41'	32° 48'	36° 58'	0° 92' 27"	1° 02' 46"	1° 37' 88"

Magnesit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 0.8095 \quad \lg c = 990822 \quad \lg a_0 = 033034 \quad \lg p_0 = 973213 \quad a_0 = 2.1397 \quad p_0 = 0.5397 \quad (G_2)$$

N ^o .	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	o	o	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	o	o	o
2	a	∞	1010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	b	∞	1120	30° 00'	"	90° 00'	"	30° 00'	60° 00'	0° 57' 73"	"	"
4	p	+1	1121	"	43° 04'	25° 03'	38° 59'	19° 58'	36° 15'	0° 46' 74"	0° 80' 95"	0° 93' 47"
5	?p	-2	2241	"	61° 51'	43° 04'	58° 18'	26° 09'	49° 47'	0° 93' 47"	1° 61' 90"	1° 86' 95"
6	?K	+41	4151	10° 53'	67° 59'	25° 03'	67° 37'	10° 05'	65° 33'	0° 46' 74"	2° 42' 85"	2° 47' 31"

Magneteisenerz.

Regulär.

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0° 00' \end{cases}$	$\begin{cases} 0° 00' \\ 90° 00' \end{cases}$	$\begin{cases} 0° 00' \\ " \end{cases}$	$\begin{cases} 0° 00' \\ 90° 00' \end{cases}$	$\begin{cases} 0° 00' \\ " \end{cases}$	$\begin{cases} 0° 00' \\ 90° 00' \end{cases}$	$\begin{cases} o \\ " \end{cases}$	$\begin{cases} o \\ \infty \end{cases}$	$\begin{cases} o \\ \infty \end{cases}$
2	B	$\begin{cases} 0\frac{1}{3} \\ 0\frac{1}{5} \\ \infty 15 \end{cases}$	$\begin{cases} 0115 \\ 0151 \\ 1150 \end{cases}$	$\begin{cases} " \\ " \\ 3° 49' \end{cases}$	$\begin{cases} 3° 49' \\ 86° 11' \\ 90° 00' \end{cases}$	$\begin{cases} " \\ " \\ 90° 00' \end{cases}$	$\begin{cases} 3° 49' \\ 86° 11' \\ 90° 00' \end{cases}$	$\begin{cases} " \\ " \\ 3° 49' \end{cases}$	$\begin{cases} 3° 49' \\ 86° 11' \\ " \end{cases}$	$\begin{cases} " \\ " \\ 0° 06' 67" \end{cases}$	$\begin{cases} 0° 06' 67" \\ 15° 00' \\ \infty \end{cases}$	$\begin{cases} 0° 06' 67" \\ 15° 00' \\ \infty \end{cases}$
3	e	$\begin{cases} 0\frac{1}{4} \\ 05 \\ \infty 5 \end{cases}$	$\begin{cases} 015 \\ 051 \\ 150 \end{cases}$	$\begin{cases} 0° 00' \\ " \\ 11° 18' \end{cases}$	$\begin{cases} 11° 18' \\ 78° 41' \\ 90° 00' \end{cases}$	$\begin{cases} 0° 00' \\ " \\ 90° 00' \end{cases}$	$\begin{cases} 11° 18' \\ 78° 41' \\ 90° 00' \end{cases}$	$\begin{cases} 0° 00' \\ " \\ 11° 18' \end{cases}$	$\begin{cases} 11° 18' \\ 78° 41' \\ " \end{cases}$	$\begin{cases} o \\ " \\ 0° 20' 00" \end{cases}$	$\begin{cases} 0° 20' 00" \\ 5° 00' 00" \\ \infty \end{cases}$	$\begin{cases} 0° 20' 00" \\ 5° 00' 00" \\ \infty \end{cases}$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	κ (Priamen) (x:y)	y	d =tg ϱ
4	a	$\left\{ \begin{smallmatrix} 0\frac{1}{3} \\ 0\frac{2}{3} \\ \infty_3 \end{smallmatrix} \right.$	013	0° 00	18° 26	0° 00	18° 26	0° 00	18° 26	0	0'3333	0'3333
			031	"	71 34	"	71 34	"	71 34	"	3'0000	3'0000
			130	18 26	90 00	90 00	90 00	18 26	"	0'3333	∞	∞
5	e	$\left\{ \begin{smallmatrix} 0\frac{1}{2} \\ 0\frac{2}{2} \\ \infty_2 \end{smallmatrix} \right.$	012	0 00	26 34	0 00	26 34	0 00	26 34	0	0'5000	0'5000
			021	"	63 26	"	63 26	"	63 26	"	2'0000	2'0000
			120	26 34	90 00	90 00	90 00	26 34	"	0'5000	∞	∞
6	L	$\left\{ \begin{smallmatrix} 0\frac{2}{3} \\ 0\frac{1}{3} \\ \infty_3 \end{smallmatrix} \right.$	059	0 00	29 03	0 00	29 03	0 00	29 03	0	0'5556	0'5556
			095	"	60 57	"	60 57	"	60 57	"	1'8000	1'8000
			590	29 03	90 00	90 00	90 00	29 03	"	0'5556	∞	∞
7	h	$\left\{ \begin{smallmatrix} 0\frac{3}{5} \\ 0\frac{2}{5} \\ \infty_5 \end{smallmatrix} \right.$	035	0 00	30 58	0 00	30 58	0 00	30 58	0	0'6000	0'6000
			053	"	59 02	"	59 02	"	59 02	"	1'6667	1'6667
			350	30 58	90 00	90 00	90 00	30 58	"	0'6000	∞	∞
8	A	$\left\{ \begin{smallmatrix} 0\frac{7}{9} \\ 0\frac{2}{9} \\ \infty_9 \end{smallmatrix} \right.$	079	0 00	37 52	0 00	37 52	0 00	37 52	0	0'7778	0'7778
			097	"	52 07	"	52 07	"	52 07	"	1'2857	1'2857
			790	37 52	90 00	90 00	90 00	37 52	"	0'7778	∞	∞
9	d	$\left\{ \begin{smallmatrix} 01 \\ \infty \end{smallmatrix} \right.$	011	0 00	45 00	0 00	45 00	0 00	45 00	0	1'0000	1'0000
			110	45 00	90 00	90 00	90 00	45 00	"	1'0000	∞	∞
10	N	$\left\{ \begin{smallmatrix} 1\frac{1}{16} \\ 1'16 \end{smallmatrix} \right.$	1'1'16	"	5 03	3 34	3 34	3 34	3 34	0'0625	0'0625	0'0884
			1'16'1	3 34	86 26	45 00	86 26	"	84 57	1'0000	16'000	16'031
11	μ	$\left\{ \begin{smallmatrix} 1\frac{1}{10} \\ 1'10 \end{smallmatrix} \right.$	1'1'10	45 00	8 03	5 42	5 42	5 41	5 41	0'1000	0'1000	0'1414
			1'10'1	5 42	84 19	45 00	84 17	"	81 57	1'0000	10'000	10'050
12	r	$\left\{ \begin{smallmatrix} 1\frac{1}{6} \\ 16 \end{smallmatrix} \right.$	116	45 00	13 15	9 27	9 27	9 20	9 20	0'1667	0'1667	0'2357
			161	9 27	80 40	45 00	80 32	"	76 44	1'0000	6'0000	6'0827
13	l	$\left\{ \begin{smallmatrix} 1\frac{1}{5} \\ 15 \end{smallmatrix} \right.$	115	45 00	15 47	11 18	11 18	11 06	11 06	0'2000	0'2000	0'2828
			151	11 18	78 54	45 00	78 41	"	74 12	1'0000	5'0000	5'0980
14	λ	$\left\{ \begin{smallmatrix} 1\frac{2}{7} \\ 1\frac{1}{2} \end{smallmatrix} \right.$	227	45 00	22 00	15 57	15 57	15 21	15 21	0'2857	0'2857	0'4041
			272	15 57	74 38	45 00	74 03	"	68 00	1'0000	3'5000	3'6401
15	m	$\left\{ \begin{smallmatrix} 1\frac{1}{3} \\ 13 \end{smallmatrix} \right.$	113	45 00	25 14	18 26	18 26	17 33	17 33	0'3333	0'3333	0'4714
			131	18 26	72 27	45 00	71 34	"	64 45	1'0000	3'0000	3'1625
16	o	$\left\{ \begin{smallmatrix} 1\frac{2}{5} \\ 1\frac{1}{2} \end{smallmatrix} \right.$	225	45 00	29 29	21 48	21 48	20 22	20 22	0'4000	0'4000	0'5057
			252	21 48	69 37	45 00	68 12	"	60 30	1'0000	2'5000	2'6924
17	e	$\left\{ \begin{smallmatrix} 1\frac{3}{8} \\ 1\frac{1}{4} \end{smallmatrix} \right.$	449	45 00	32 09	23 58	23 58	22 06	22 06	0'4444	0'4444	0'6285
			494	23 58	67 53	45 00	66 02	"	57 51	1'0000	2'2500	2'4622
18	q	$\left\{ \begin{smallmatrix} 1\frac{1}{2} \\ 12 \end{smallmatrix} \right.$	112	45 00	35 16	26 34	26 34	24 05	24 05	0'5000	0'5000	0'7071
			121	26 34	65 54	45 00	63 26	"	54 44	1'0000	2'0000	2'2360
19	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
20	v	$\left\{ \begin{smallmatrix} 1\frac{1}{3} \\ 3 \end{smallmatrix} \right.$	133	18 26	46 30	18 26	"	13 16	43 29	0'3333	"	1'0541
			331	45 00	76 44	71 34	71 34	43 29	"	3'0000	3'0000	4'2420
21	u	$\left\{ \begin{smallmatrix} 1\frac{1}{2} \\ 2 \end{smallmatrix} \right.$	122	26 34	48 11	26 34	45 00	19 28	41 48	0'5000	1'0000	1'1180
			221	45 00	70 31	63 26	63 26	41 48	"	2'0000	2'0000	2'8284

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
22	P	$\left\{ \begin{smallmatrix} \frac{3}{2} 1 \\ \frac{3}{3} \end{smallmatrix} \right.$	355 553	30° 58' 45 00	49° 23' 67 00	30° 58' 59 02	45° 00' 59 02	22° 59' 40 37	40° 37' "	0° 6000 1° 6667	1° 0000 1° 6667	1° 1662 2° 3570
23	z	$\left\{ \begin{smallmatrix} \frac{1}{2} \frac{3}{2} \\ \frac{1}{3} \frac{3}{2} \\ 35 \end{smallmatrix} \right.$	135 153 351	18 26 11 18 30 58	32 18 59 32 80 16	11 18 18 26 71 34	30 58 59 02 78 41	9 44 " 30 28	30 28 57 41 "	0° 2000 0° 3333 3° 0000	0° 6000 1° 6667 5° 0000	0° 6325 1° 6996 5° 8310
24	x	$\left\{ \begin{smallmatrix} \frac{1}{3} \frac{3}{2} \\ \frac{1}{2} \frac{3}{2} \\ 23 \end{smallmatrix} \right.$	123 132 231	26 34 18 26 33 41	36 42 57 41 74 30	18 26 26 34 63 26	33 41 56 18 71 34	15 30 " 32 18	32 18 53 18 "	0° 3333 0° 5000 2° 0000	0° 6667 1° 5000 3° 0000	0° 7453 1° 5811 3° 6055
25	y	$\left\{ \begin{smallmatrix} \frac{1}{2} \frac{3}{2} \\ \frac{1}{3} \frac{3}{2} \\ \frac{3}{2} 2 \end{smallmatrix} \right.$	234 243 342	" 26 34 36 52	42 02 56 08 68 12	26 34 33 41 56 18	36 52 53 08 63 26	21 48 " 33 51	33 51 47 58 "	0° 5000 0° 6667 1° 5000	0° 7500 1° 3333 2° 0000	0° 9014 1° 4907 2° 5000
26	D	$\left\{ \begin{smallmatrix} \frac{0}{1} \frac{11}{3} \\ \frac{0}{1} \frac{11}{3} \\ \frac{11}{1} \frac{11}{3} \end{smallmatrix} \right.$	9° 11' 13" 9° 13' 11" 11° 13' 9"	39 17 34 41 40 14	47 33 55 10 62 08	34 41 39 17 50 42	40 14 49 46 55 18	27 51 " 34 49	34 49 42 27 "	0° 6923 0° 8182 1° 2222	0° 8462 1° 1818 1° 4444	1° 0933 1° 4374 1° 8921
27	V	$\left\{ \begin{smallmatrix} \frac{3}{2} \frac{4}{2} \\ \frac{3}{2} \frac{4}{2} \\ \frac{3}{2} \frac{4}{2} \end{smallmatrix} \right.$	345 354 453	36 52 30 58 38 39	45 00 55 33 64 54	30 58 36 52 53 08	38 39 51 20 59 02	25 06 " 34 27	34 27 45 00 "	0° 6000 0° 7500 1° 3333	0° 8000 1° 2500 1° 6667	1° 0000 1° 4577 2° 1344
28	r	$\left\{ \begin{smallmatrix} \frac{3}{2} \frac{5}{2} \\ \frac{4}{2} \frac{5}{2} \\ \frac{4}{2} \frac{5}{2} \end{smallmatrix} \right.$	456 465 564	" 33 41 39 48	46 51 55 16 62 53	33 41 38 39 51 20	39 48 50 11 56 18	27 07 " 34 44	34 44 43 08 "	0° 6667 0° 8000 1° 2500	0° 8333 1° 2000 1° 5000	1° 0672 1° 4422 1° 9525
29	θ	$\left\{ \begin{smallmatrix} \frac{1}{2} \frac{7}{2} \\ \frac{1}{2} \frac{7}{2} \\ 79 \end{smallmatrix} \right.$	179 197 791	8 08 6 20 37 52	38 09 52 17 84 59	6 20 8 08 81 52	37 52 52 07 83 39	5 00 " 37 42	37 42 51 50 "	0° 1111 0° 1429 7° 0000	0° 7778 1° 2857 9° 0000	0° 7857 1° 2936 11° 402
30	Δ	$\left\{ \begin{smallmatrix} \frac{5}{2} \frac{1}{2} \\ \frac{5}{2} \frac{1}{2} \\ \frac{5}{2} \frac{1}{2} \end{smallmatrix} \right.$	5° 7' 21" 5° 21' 7" 7° 21' 5"	35 32 13 23 18 26	22 16 72 02 77 16	13 23 35 32 54 27	18 26 71 34 76 36	12 43 " 17 58	17 58 67 43 "	0° 2381 0° 7113 1° 4000	0° 3333 3° 0000 4° 2000	0° 4096 3° 0838 4° 4272

Magnetkies.

Hexagonal.

c = 1° 4291	lg c = 015506	lg a ₀ = 008350	lg p ₀ = 997897	a ₀ = 1° 2120	p ₀ = 0° 9527	(G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	m	∞o	10T0	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	n	∞	1120	30 00	"	90 00	"	30 00	60 00	0° 5773	"	"
4	t	$\frac{1}{2}o$	10T2	0 00	25 28	0 00	25 28	0 00	25 28	o	0° 4764	0° 4764
5	r	10	10T1	"	43 37	"	43 37	"	43 37	"	0° 9527	0° 9527

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
6	s	20	2021	0°00	62°18'	0°00	62°18'	0°00	62°18'	0	1'9055	1'9055
7	v	40	4041	"	75 18	"	75 18	"	75 18	"	3'8109	3'8109
8	?D	60	6061	"	80 04'	"	80 04'	"	80 04'	"	5'7164	5'7164
9	y	70	7071	"	81 28'	"	81 28'	"	81 28'	"	6'6691	6'6691
10	ξ	$\frac{1}{2}$	1122	30 00	39 31'	22 25	35 33	18 33'	33 27	0'4125	0'7145	0'8251
11	z	1	1121	"	58 47	39 31'	55 01	25 19	47 47	0'8251	1'4291	1'6502

Malachit.

Monoklin.

a = 0'7823	lg a = 989337	lg a ₀ = 028742	lg p ₀ = 971258	a ₀ = 1'9383	p ₀ = 0'5159
c = 0'4036	lg c = 960595	lg b ₀ = 039405	lg q ₀ = 960588	b ₀ = 2'4777	q ₀ = 0'4035
$\mu_{180} = \beta \} 88^\circ 57'$	lg h = 999993 lg sin μ	lg e = 826304 lg cos μ	lg $\frac{p_0}{q_0}$ = 010670	h = 0'9998	e = 0'0183

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x':y')	y'	d' =tg ϱ
1	x	0	001	90°00	1°03	1°03	0°00	1°03	0°00	0'0183	0	0'0183
2	b	000	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	51 58	"	"	90 00	51 58	38 02	1'2785	∞	"
5	φ	$0\frac{3}{8}$	058	4 09'	14 11'	1 03	14 09'	1 01	14 09'	0'0183	0'2522'	0'2529
6	d	$0\frac{2}{3}$	023	3 54	15 05'	"	15 03'	"	15 03'	"	0'2690'	0'2697
7	c	$+\frac{1}{10}$	101	90 00	28 07	28 07	0 00	28 07	0 00	0'5343	0	0'5343
8	u	$+\frac{1}{40}$	104	"	8 23	8 23	"	8 23	"	0'1473	"	0'1473
9	f	$-\frac{1}{40}$	104	90 00	6 19	6 19	"	6 19	"	0'1107	"	0'1107
10	g	$-\frac{1}{40}$	103	"	8 44	8 44	"	8 44	"	0'1536	"	0'1536
11	h	$-\frac{1}{40}$	102	"	13 28'	13 28'	"	13 28'	"	0'2396'	"	0'2396'
12	y	-10	101	"	26 27'	26 27'	"	26 27'	"	0'4977	"	0'4977
13	n	$-\frac{1}{2}$	112	49 54'	17 24	13 28'	11 24'	13 13'	11 06	0'2397	0'2018	0'3133
14	e	-1	111	50 57'	32 39	26 27'	21 59	24 46'	19 52	0'4977	0'4226	0'6408
15	p	-2	221	51 28	52 20'	45 23'	38 54'	38 16	29 33	1'0137	0'8072	1'2958
16	ε	$-1\frac{2}{3}$	323	61 36	29 30	26 27'	15 03'	25 40	13 32'	0'4977	0'2690'	0'5658
17	a	$-\frac{1}{4}\frac{2}{3}$	124	28 45	12 58	6 19	11 24'	6 11'	11 20'	0'1107	0'2018	0'2302
18	β	$-\frac{1}{4}\frac{2}{3}$	134	20 05'	17 52	"	16 50'	6 03	16 45	"	0'3027	0'3223
19	γ	$-\frac{1}{8}\frac{2}{3}$	123	29 44	17 13	8 44	15 03'	8 26'	14 53'	0'1536'	0'2690'	0'3099

Manganblende.

Regulär. Tetraedrisch-hemiedrisch.

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{Bmatrix} 0 \\ \infty \end{Bmatrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	d	$\begin{Bmatrix} 01 \\ \infty \end{Bmatrix}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ " \end{matrix}$	$\begin{matrix} " \\ 1'0000 \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$
3	q	$\begin{Bmatrix} \frac{1}{2} \\ 12 \end{Bmatrix}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0'5000 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 0'7071 \\ 2'2360 \end{matrix}$
4	pp'	± 1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142

Manganepidot.

Monoklin.

a = 1'6100	lg a = 020683	lg a ₀ = 994376	lg p ₀ = 005624	a ₀ = 0'8785	p ₀ = 1'1383
c = 1'8326	lg c = 026307	lg b ₀ = 973693	lg q ₀ = 021910	b ₀ = 0'5457	q ₀ = 1'6562
$\mu = \begin{Bmatrix} 180 \\ \beta \end{Bmatrix} 64^\circ 39'$	$\lg h = \begin{Bmatrix} 995603 \\ \lg \sin \mu \end{Bmatrix}$	$\lg e = \begin{Bmatrix} 963159 \\ \lg \cos \mu \end{Bmatrix}$	$\lg \frac{p_0}{q_0} = 983714$	h = 0'9037	e = 0'4281

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00	25° 21	25° 21	0° 00	25° 21	0° 00	0'4737	0	0'4737
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	t	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	34 30	"	"	90 00	34 30	55 30	0'6873	∞	"
5	e	+10	101	90 00	60 01	60 01	0 00	60 01	0 00	1'7333	0	1'7333
6	i	— $\frac{1}{2}$ 0	102	90 00	8 52'	8 52'	"	8 52'	"	0'1561	"	0'1561
7	n	—1	111	23 13	63 22	38 10	61 23	20 38	55 14'	0'7859	1'8326	1'9939

Manganit.

Rhombisch.

a = 0.8441	lg a = 992639	lg a ₀ = 019015	lg p ₀ = 980985	a ₀ = 1.5493	p ₀ = 0.6454
c = 0.5448	lg c = 973624	lg b ₀ = 026376	lg q ₀ = 973624	b ₀ = 1.8353	q ₀ = 0.5448

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = lg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	α	30∞	30.1.0	88 23'	"	"	90 00	88 23'	1 36'	35.5408	∞	"
5	β	16∞	16.1.0	86 59'	"	"	"	86 59'	3 01'	18.9552	"	"
6	ψ	12∞	12.1.0	85 58'	"	"	"	85 58'	4 01'	14.2164	"	"
7	ν	10∞	10.1.0	85 10'	"	"	"	85 10'	4 49'	11.8470	"	"
8	μ	6∞	6.1.0	81 59'	"	"	"	81 59'	8 00'	7.1082	"	"
9	h	4∞	410	78 05'	"	"	"	78 05'	11 55'	4.7388	"	"
10	λ	3∞	310	74 16'	"	"	"	74 16'	15 43'	3.5541	"	"
11	π	$\frac{3}{2}$ ∞	520	71 20'	"	"	"	71 20'	18 39'	2.9617	"	"
12	d	2∞	210	67 07'	"	"	"	67 07'	22 53'	2.3694	"	"
13	i	$\frac{4}{3}$ ∞	430	57 40'	"	"	"	57 40'	32 20'	1.5796	"	"
14	δ	$\frac{5}{6}$ ∞	650	54 52'	"	"	"	54 52'	35 07'	1.4216	"	"
15	q	$\frac{10}{9}$ ∞	10.9.0	52 46'	"	"	"	52 46'	37 13'	1.3163	"	"
16	m	∞	110	49 50'	"	"	"	49 50'	40 10'	1.1847	"	"
17	κ	$\infty\frac{1}{2}$	12.13.0	47 33'	"	"	"	47 33'	42 26'	1.0935	"	"
18	k	$\infty\frac{3}{2}$	230	38 18'	"	"	"	38 18'	51 42'	0.7898	"	"
19	z	$\infty\frac{5}{3}$	350	35 24'	"	"	"	35 24'	54 35'	0.7108	"	"
20	l	$\infty 2$	120	30 38'	"	"	"	30 38'	59 21'	0.5923	"	"
21	t	$\infty\frac{2}{3}$	250	25 21'	"	"	"	25 21'	64 38'	0.4739	"	"
22	y	$\infty 3$	130	21 33'	"	"	"	21 33'	68 27'	0.3949	"	"
23	r	$\infty 5$	150	13 20'	"	"	"	13 20'	76 40'	0.2369	"	"
24	e	01	011	0 00	28 35	0 00	28 35	0 00	28 35	0	0.5448	0.5448
25	f	02	021	"	47 27'	"	47 27'	"	47 27'	"	1.0896	1.0896
26	i	$\frac{1}{15}0$	1.0.15	90 00	2 28	2 28	0 00	2 28	0 00	0.0430	0	0.0430
27	θ	$\frac{2}{15}0$	2.0.15	"	4 55	4 55	"	4 55	"	0.0860	"	0.0860
28	η	$\frac{1}{3}0$	105	"	7 21'	7 21'	"	7 21'	"	0.1291	"	0.1291
29	ε	$\frac{2}{3}0$	205	"	14 28'	14 28'	"	14 28'	"	0.2581	"	0.2581
30	u	10	101	"	32 50'	32 50'	"	32 50'	"	0.6454	"	0.6454
31	w	20	201	"	52 14	52 14	"	52 14	"	1.2908	"	1.2908
32	n	12	121	30 48'	51 42	32 50'	47 27'	23 34'	42 28'	0.6454	1.0896	1.2664
33	p	1	111	49 50'	40 11	"	28 35	29 32'	24 35'	"	0.5448	0.8446
34	γ	$1\frac{2}{3}$	323	60 38'	36 31'	"	19 57'	31 14'	16 58'	"	0.3632	0.7406
35	s	$1\frac{1}{2}$	212	67 07'	35 01	"	15 14	31 55'	12 53'	"	0.2724	0.7006
36	σ	$1\frac{2}{5}$	525	71 20'	34 16	"	12 17'	32 14'	10 22'	"	0.2179	0.6812

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
37	g	$1\frac{1}{2}$	313	74° 17'	33° 50'	32° 50'	10° 17'	32° 25'	8° 40'	0'6454'	0'1816	0'6705
38	z	$1\frac{1}{4}$	414	78 05	33 24'	"	7 45'	32 36	6 31'	"	0'1362	0'6596
39	e	$1\frac{1}{3}$	515	80 25	33 12'	"	6 13	32 41	5 14	"	0'1089	0'6546
40	r	$1\frac{1}{6}$	616	81 59'	33 06	"	5 11'	32 44	4 21	"	0'0908	0'6518
41	o	$1\frac{1}{10}$	10'1'10	85 10'	32 56	"	3 07	32 48	2 37	"	0'0545	0'6477
42	ξ	$1\frac{1}{20}$	20'1'20	87 38'	32 52	"	1 33'	32 49'	1 18'	"	0'0272	0'6460
43	q	$\frac{1}{2}1$	177	9 36	28 55'	5 16	28 35	4 37'	28 29	0'0922	0'5448	0'5526
44	v	$\frac{1}{2}$	221	49 50	59 22'	52 14	47 27'	41 07	33 43	1'2908	1'0896	1'6892
45	ω	$\frac{1}{3}$	443	"	48 24	40 43	35 59'	34 51	28 50	0'8606	0'7264	1'1265
46	x	$\frac{2}{3}5$	365	30 38'	37 13'	21 10	33 10'	17 57'	31 22	0'3872	0'6537	0'7599

Manganosit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{matrix} 1 & 0 \\ & \infty \end{matrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	d	$\begin{matrix} 1 & 01 \\ & \infty \end{matrix}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ " \end{matrix}$	$\begin{matrix} " \\ 1'0000 \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$
3	p	1	111	"	54 44	45 00	45 00	35 16	35 16	"	1'0000	1'4142

Manganspath.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 0'8183 \quad \lg c = 991291 \quad \lg a_0 = 032565 \quad \lg p_0 = 973682 \quad a_0 = 2'1166 \quad p_0 = 0'5455 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	$\infty 0$	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	δ	$-\frac{1}{2}$	1122	30 00	25 17'	13 17'	22 15	12 20	21 42'	0'2362	0'4091	0'4724
4	p	$+\frac{1}{2}$	1121	"	43 22'	25 17'	39 17'	20 05	36 30	0'4724	0'8183	0'9449
5	q	$-\frac{1}{2}$	2241	"	62 07	43 22'	58 34'	26 13'	49 57	0'9449	1'6366	1'8898
6	A	$-\frac{1}{2}$	77'14'2	"	73 10'	58 50	70 45	28 35'	55 59'	1'6536	2'8641	3'3071
7	t	$+\frac{1}{2}$	4154	10 53'	32 00'	6 44	31 32'	5 45	31 21'	0'1181	0'6137	0'6250
8	K	$+\frac{1}{2}$	4151	"	68 12	25 17'	67 50	10 06'	65 45	0'4724	2'4549	2'5000
9	P	$+\frac{1}{2}$	7181	6 35	76 21	"	76 16	6 24	74 52'	"	4'0915	4'1186

Markasit.**Rhomblisch.**

$a = 0.7580$	$\lg a = 987967$	$\lg a_0 = 979610$	$\lg p_0 = 020390$	$a_0 = 0.6253$	$p_0 = 1.5992$
$c = 1.2122$	$\lg c = 008357$	$\lg b_0 = 991643$	$\lg q_0 = 008357$	$b_0 = 0.8250$	$q_0 = 1.2122$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	p	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	q	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	m	∞	110	52° 50	"	"	90° 00	52° 50	37° 10	1.3192	∞	"
5	r	0½	014	0° 00	16° 51'	0° 00	16° 51'	0° 00	16° 51'	0	0.3030	0.3030
6	b	0½	013	"	22° 00	"	22° 00	"	22° 00	"	0.4040	0.4040
7	y	0½	025	"	25° 52	"	25° 52	"	25° 52	"	0.4849	0.4849
8	z	0½	012	"	31° 13	"	31° 13	"	31° 13	"	0.6061	0.6061
9	l	01	011	"	50° 29	"	50° 29	"	50° 29	"	1.2122	1.2122
10	g	10	101	90° 00	57° 59	57° 59	0° 00	57° 59	0° 00	1.5992	0	1.5992
11	h	1	111	52° 50	63° 30'	"	50° 29	45° 30	32° 43'	"	1.2122	2.0007

Martinit.**Hexagonal. Rhomboedrisch-hemiedrisch.**

$c = 0.8559$	$\lg c = 993242$	$\lg a_0 = 030614$	$\lg p_0 = 975633$	$a_0 = 2.0237$	$p_0 = 0.5706$	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	p	1	1121	30° 00	44° 38	26° 16	40° 31	20° 36	37° 30	0.4941	0.8559	0.9872

Mascagnin.**Rhomblisch.**

$a = 0.5642$	$\lg a = 975143$	$\lg a_0 = 988757$	$\lg p_0 = 011243$	$a_0 = 0.7719$	$p_0 = 1.2955$
$c = 0.7309$	$\lg c = 986386$	$\lg b_0 = 013614$	$\lg q_0 = 986386$	$b_0 = 1.3682$	$q_0 = 0.7309$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	m	∞	110	60° 34	"	"	90° 00	60° 34	29° 26	1.7724	∞	"
5	f	∞3	130	30° 34'	"	"	"	30° 34'	59° 25'	0.5908	"	"
6	u	01	011	0° 00	36° 10	0° 00	36° 10	0° 00	36° 10	0	0.7309	0.7309
7	v	02	021	"	55° 37'	"	55° 37'	"	55° 37'	"	1.4958	1.4958
8	o	1	111	60° 34	56° 05	52° 20	36° 10	46° 17	24° 04	1.2951	0.7309	1.4875

Matlockit.**Tetragonal.**

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 1.763 \quad \lg c = 0.24625 \quad \lg a_o = 9.75375 \quad a_o = 0.5672$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	m	∞	110	45° 00	90 00	90 00	90 00	45 00	45 00	1'0000	∞	∞
3	e	01	011	0 00	60 26	0 00	60 26	0 00	60 26	o	1'7630	1'7630
4	r	1	111	45 00	68 09	60 26	"	41 01	41 01	1'7630	"	2'4932

Mazapilit.**Rhomboisch.**

$$\begin{array}{l} a = 0.864 \quad \lg a = 9.93651 \quad \lg a_o = 9.94175 \quad \lg p_o = 0.05825 \quad a_o = 0.8745 \quad p_o = 1.1435 \\ c = 0.988 \quad \lg c = 9.99476 \quad \lg b_o = 0.00524 \quad \lg q_o = 9.99476 \quad b_o = 1.0121 \quad q_o = 0.9880 \end{array}$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	n	$\infty 2$	120	30° 03'	90° 00	90° 00	90° 00	30° 03'	59° 56'	0.5787	∞	∞
2	d	$0\frac{1}{2}$	012	0 00	26 17'	0 00	26 17'	0 00	26 17'	o	0.4940	0.4940
3	r	20	201	90 00	66 23	66 23	0 00	66 23	0 00	2.2870	o	2.2870
4	o	1	111	49 10'	56 30'	48 50	44 39	39 07'	33 02'	1.1435	0.9880	1.5112

Melanglanz.**Rhomboisch.**

$$\begin{array}{l} a = 0.6291 \quad \lg a = 9.79872 \quad \lg a_o = 9.96297 \quad \lg p_o = 0.03703 \quad a_o = 0.9183 \quad p_o = 1.0890 \\ c = 0.6851 \quad \lg c = 9.83575 \quad \lg b_o = 0.16425 \quad \lg q_o = 9.83575 \quad b_o = 1.4597 \quad q_o = 0.6851 \end{array}$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	b	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	o	"
4	L	3∞	310	78 09'	"	"	90 00	78 09'	11 50'	4.7686	∞	"
5	L	2∞	210	72 32'	"	"	"	72 32'	17 27'	3.1791	"	"
6	o	∞	110	57 49'	"	"	"	57 49'	32 10'	1.5895	"	"

No.	Buch- staben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg φ
7	O	$\infty \frac{3}{2}$	230	46° 39'	90° 00'	90° 00'	90° 00'	46° 39'	43° 20'	1'0597	∞	∞
8	u	$\infty \frac{3}{2}$	350	43 38'	"	"	"	43 38'	46 21'	0'9537	"	"
9	U	$\infty 2$	120	38 28'	"	"	"	38 28'	51 31'	0'7947	"	"
10	G	$\infty \frac{1}{3}$	5'11'0	35 51'	"	"	"	35 51'	54 09'	0'7225	"	"
11	π	$\infty 3$	130	27 55'	"	"	"	27 55'	62 05'	0'5298	"	"
12	I	$\infty 5$	150	17 38'	"	"	"	17 38'	72 22'	0'3179	"	"
13	i	$\infty 11$	1'11'0	8 13'	"	"	"	8 13'	81 46'	0'1445	"	"
14	a	$0 \frac{1}{2}$	013	0 00'	12 52'	0 00'	12 52'	0 00'	12 52'	0	0'2283'	0'2283'
15	s	$0 \frac{1}{2}$	012	"	18 54'	"	18 54'	"	18 54'	"	0'3425'	0'3425'
16	i	$0 \frac{3}{5}$	059	"	20 50'	"	20 50'	"	20 50'	"	0'3806	0'3806
17	t	$0 \frac{3}{5}$	023	"	24 33'	"	24 33'	"	24 33'	"	0'4567'	0'4567'
18	a	$0 \frac{3}{5}$	045	"	28 43'	"	28 43'	"	28 43'	"	0'5480'	0'5480'
19	k	01	011	"	34 25'	"	34 25'	"	34 25'	"	0'6851	0'6851
20	i	$0 \frac{8}{9}$	065	"	39 25'	"	39 25'	"	39 25'	"	0'8221	0'8221
21	x	$0 \frac{4}{5}$	043	"	42 24'	"	42 24'	"	42 24'	"	0'9134'	0'9134'
22	j	$0 \frac{3}{2}$	032	"	45 47'	"	45 47'	"	45 47'	"	1'0276'	1'0276'
23	d	02	021	"	53 52'	"	53 52'	"	53 52'	"	1'3702	1'3702
24	e	04	041	"	69 57'	"	69 57'	"	69 57'	"	2'7403'	2'7403'
25	E	06	061	"	76 19'	"	76 19'	"	76 19'	"	4'1105'	4'1105'
26	δ	07	071	"	78 13'	"	78 13'	"	78 13'	"	4'7956'	4'7956'
27	f	$0 \frac{1}{2}$	0'15'2	"	78 59'	"	78 59'	"	78 59'	"	5'1382	5'1382
28	e	08	081	"	79 39'	"	79 39'	"	79 39'	"	5'4807'	5'4807'
29	b	$0'14$	0'14'1	"	84 03'	"	84 03'	"	84 03'	"	9'5914	9'5914
30	c	$\frac{1}{2}0$	102	90 00'	28 34'	28 34'	0 00'	28 34'	0 00'	0'5445	0	0'5445
31	b	$\frac{3}{2}0$	203	"	35 59'	35 59'	"	35 59'	"	0'7260	"	0'7260
32	β	10	101	"	47 26'	47 26'	"	47 26'	"	1'0890	"	1'0890
33	g	20	201	"	65 20'	65 20'	"	64 20'	"	2'1780	"	2'1780
34	G	30	301	"	72 59'	72 59'	"	72 59'	"	3'2670	"	3'2670
35	C	16	161	14 50'	76 46'	47 26'	76 19'	14 26'	70 13'	1'0890	4'1105	4'2524
36	r	15	151	17 38'	74 27'	"	73 43'	16 58'	66 39'	"	3'4254	3'5943
37	D	14	141	21 40'	71 16'	"	69 56'	20 28'	61 39'	"	2'7404	2'9488
38	W	$1 \frac{1}{3}$	3'11'3	23 26'	69 56'	"	68 17'	21 56'	59 31'	"	2'5120	2'7379
39	w	13	131	27 55'	66 44'	"	64 03'	25 28'	54 16'	"	2'0553	2'3259
40	R	12	121	38 28'	60 15'	"	53 52'	32 42'	42 49'	"	1'3702	1'7502
41	P	1	111	57 49'	52 08'	"	34 25'	41 56'	24 51'	"	0'6851	1'2805
42	q	$1 \frac{2}{3}$	535	69 19'	49 20'	"	22 20'	45 12'	15 32'	"	0'4110'	1'1640
43	A	$1 \frac{1}{3}$	313	78 09'	48 03'	"	12 52'	46 43'	8 47'	"	0'2283'	1'1127
44	M	$1 \frac{1}{8}$	818	85 30'	47 31'	"	4 53'	47 20'	3 19'	"	0'0856	1'0924
45	N	3	331	57 49'	75 28'	72 59'	64 03'	55 01'	31 01'	3'2670	2'0553	3'8597
46	Q	$\frac{7}{3}$	773	"	71 34'	68 31'	57 58'	53 25'	30 20'	2'5410'	1'5985	3'0020
47	r	$\frac{2}{3}$	221	"	68 46'	65 20'	53 52'	52 05'	29 45'	2'1780	1'3702	2'5731
48	p	$\frac{3}{2}$	332	"	62 36'	58 31'	45 47'	48 43'	28 13'	1'6335	1'0276	1'9298
49	S	$\frac{4}{3}$	443	"	59 45'	55 26'	42 42'	46 59'	27 23'	1'4520	0'9134'	1'7154
50	X	$\frac{5}{2}$	554	"	58 07'	53 42'	40 34'	45 57'	26 53'	1'3622	0'8563'	1'6082
51	I	$\frac{2}{3}$	223	"	40 37'	35 59'	24 33'	33 26'	20 17'	0'7260	0'4567'	0'8577

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
52	h	$\frac{1}{2}$	112	57° 49'	32° 45'	28° 34'	18° 54'	27° 15'	16° 44'	0° 5445	0° 3425	0° 6433
53	m	$\frac{1}{3}$	113	"	23 13	19 57	12 52	19 29	12 07	0° 3630	0° 2283	0° 4289
54	q	$\frac{1}{4}$	114	"	17 50	15 14	9 43	15 01	9 23	0° 2722	0° 1712	0° 3216
55	Y	$\frac{1}{5}$	115	"	14 26	12 17	7 48	12 10	7 37	0° 2178	0° 1370	0° 2573
56	K	$\frac{1}{5} 1$	155	17 38	35 42	"	34 25	10 11	33 48	"	0° 6851	0° 7189
57	f	$\frac{1}{5} 1$	133	27 55	37 47	19 57	"	16 40	32 47	0° 3630	"	0° 7753
58	H	$\frac{1}{5} 1$	122	38 28	41 11	28 34	"	24 11	31 02	0° 5445	"	0° 8751
59	Σ	21	211	72 32	66 21	65 20	"	60 54	15 57	2° 1780	"	2° 2832
60	ζ	31	311	78 09	73 19	72 59	"	69 38	11 20	3° 2670	"	3° 3381
61	\mathfrak{A}	$\frac{1}{5} 1$	13' 4' 4	79 02	74 30	74 13	"	71 05	10 33	3° 5392	"	3° 6050
62	\mathfrak{B}	$\frac{1}{5} 1$	18' 5' 5	80 05	75 54	75 41	"	72 49	9 36	3° 9204	"	3° 9798
63	A	$\frac{1}{5} 1$	213	72 32	37 16	35 59	12 52	35 17	10 28	0° 7260	0° 2283	0° 7611
64	ξ	$\frac{3}{5} 1$	312	78 09	59 04	58 31	18 54	57 05	10 08	1° 6335	0° 3425	1° 6690
65	r	$\frac{3}{5} 1$	512	82 49	69 58	69 50	"	68 47	6 44	2° 7225	"	2° 7440
66	ϱ	24	241	38 28	74 03	65 20	69 57	36 45	48 50	2° 1780	2° 7404	3° 5005
67	u	$\frac{2}{5} 1$	243	"	49 24	35 59	42 24	28 11	36 28	0° 7260	0° 9134	1° 1668
68	T	$\frac{1}{5} 2$	142	21 40	55 51	28 34	53 52	17 48	50 16	0° 5445	1° 3702	1° 4744
69	Θ	$\frac{1}{5} 1$	316	78 09	29 05	"	6 31	28 25	5 43	"	0° 1116	0° 5564
70	v	$\frac{1}{5} 2$	132	27 55	49 18	"	45 47	20 47	42 04	"	1° 0276	1° 1630
71	h	$\frac{1}{5} 2$	13' 39' 40	"	37 05	19 29	33 44	16 24	32 12	0° 3539	0° 6679	0° 7559
72	f	$\frac{1}{5} 2$	3' 9' 10	"	34 54	18 05	31 39	15 32	30 22	0° 3267	0° 6166	0° 6978
73	l	$\frac{2}{5} 1$	267	"	33 36	17 17	30 25	15 01	29 17	0° 3111	0° 5872	0° 6646
74	m	$\frac{2}{5} 1$	3' 9' 11	"	32 23	16 32	29 16	14 31	28 15	0° 2970	0° 5605	0° 6344
75	ω	$\frac{1}{5} 2$	134	"	30 10	15 14	27 11	13 37	26 22	0° 2722	0° 5138	0° 5815
76	n	$\frac{1}{5} 2$	135	"	24 57	12 17	22 20	11 23	21 53	0° 2178	0° 4110	0° 4652
77	p	$\frac{2}{5} 2$	5' 15' 27	"	23 18	11 24	20 50	10 40	20 27	0° 2016	0° 3806	0° 4307
78	q	$\frac{1}{5} 3$	193	10 01	64 24	19 57	64 03	9 01	62 38	0° 3630	2° 0553	2° 0871
79	μ	28	281	21 40	80 22	65 20	79 39	21 21	66 22	2° 1780	5° 4807	5° 8977
80	ζ	2° 10	2° 10' 1	17 38	82 05	"	81 41	17 28	70 43	"	6° 8510	7° 1887
81	η	3° 15	3° 15' 1	"	84 41	72 59	84 26	17 33	71 36	3° 2670	10° 2764	10° 783
82	θ	$\frac{1}{5} 2$	152	"	60 54	28 34	59 43	15 21	56 23	0° 5445	1° 7127	1° 7972
83	n	$\frac{1}{5} 2$	153	"	50 09	19 57	48 47	13 27	47 01	0° 3630	1° 1418	1° 1981
84	r	$\frac{1}{5} 2$	156	"	30 55	10 17	29 43	8 57	29 19	0° 1815	0° 5709	0° 5991
85	y	35	351	43 38	78 04	72 59	73 43	42 28	45 04	3° 2670	3° 4254	4° 7337
86	B	$\frac{3}{5} 1$	916	86 00	58 35	58 31	6 31	58 21	3 24	1° 6335	0° 1116	1° 6375
87	x	46	461	46 39	80 31	77 04	76 19	45 50	42 36	4° 3560	4° 1105	5° 9892
88	j	$\frac{1}{5} 2$	172	12 47	67 52	28 34	67 21	11 50	64 36	0° 5445	2° 3978	2° 4589
89	I	37	371	34 16	80 13	72 59	78 13	33 42	54 32	3° 2670	4° 7957	5° 8028
90	v	$\frac{1}{5} 2$	192	10 01	72 17	28 34	72 01	9 32	69 44	0° 5445	3° 0829	3° 1306
91	F	59	591	41 27	83 04	79 35	80 47	41 04	48 04	5° 4450	6° 1659	8° 2258
92	e	$\frac{2}{5} 2$	2° 22' 7	8 13	65 19	17 17	65 05	7 28	64 04	0° 3111	2° 1531	2° 1759
93	w	$\frac{2}{5} 2$	532	69 19	71 02	69 50	45 47	62 13	19 30	2° 7225	1° 0276	2° 9100

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
94	E:	$\frac{3}{4} \frac{3}{4}$	354	43° 38'	49° 48'	39° 14'	40° 34'	31° 49'	33° 33'	0'8167	0'8563	1'1834
95	A:	$\frac{1}{2} \frac{3}{8}$	356	"	38 16	28 34	29 43	25 18	26 38	0'5445	0'5709	0'7890
96	X:	$\frac{3}{2} \frac{5}{8}$	352	"	67 06	58 31	59 43	39 28	41 48	1'6335	1'7127	2'3668
97	H:	$\frac{3}{2} \frac{7}{8}$	372	34 16	70 59	"	67 21	32 09	51 23	"	2'3978	2'9013
98	σ :	$\frac{1}{4} \frac{5}{8}$	258	32 27	26 54	15 14	23 11	14 03	22 27	0'2722	0'4282	0'5074
99	t:	$\frac{1}{2} \frac{11}{16}$	3'11'6	23 26	53 51	28 34	51 28	18 44	47 48	0'5445	1'2560	1'3689
100	v:	$\frac{1}{2} \frac{13}{16}$	3'13'6	57 50	32 45	"	18 54	27 15	16 44	"	0'3424	0'6432
101	z:	$\frac{7}{8} \frac{13}{16}$	7'13'3	40 33	75 39	68 31	71 23	39 03	47 23	2'5410	2'9687	3'9076
102	D:	$\frac{7}{8} \frac{11}{16}$	7'11'9	45 20	49 59	40 16	39 56	33 00	32 34	0'8470	0'8373	1'1910

Melanocerit.

Hexagonal. Rhomboedrisch-hemiedrisch.

c = 1'2554	lg c = 009878	lg a ₀ = 013978	lg p ₀ = 992269	a ₀ = 1'3797	p ₀ = 0'8369	(G ₂)
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	E	$-\frac{1}{2}$	1124	30 00	19 55	10 16	17 25	9 48	17 09	0'1812	0'3139	0'3624
3	f d	$\pm \frac{1}{2}$	1122	"	35 56	19 55	32 07	17 04	30 33	0'3624	0'6277	0'7248
4	p	+1	1121	"	55 24	35 56	51 27	24 18	45 28	0'7248	1'2554	1'4496
5	φ	-2	2241	"	70 58	55 24	68 17	28 12	54 57	1'4496	2'5108	2'8992
6	m	+4	4481	"	80 13	70 58	78 44	29 31	58 35	2'8992	5'0216	5'7984

Melanophlogit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\left\{ \begin{array}{l} o \\ o\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} — \\ 0° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} o \\ " \end{array} \right.$	$\left\{ \begin{array}{l} o \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} o \\ \infty \end{array} \right.$
2	e	$\left\{ \begin{array}{l} o\frac{1}{2} \\ o2 \\ \infty 2 \end{array} \right.$	$\left\{ \begin{array}{l} 012 \\ 021 \\ 120 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 26 34 \end{array} \right.$	$\left\{ \begin{array}{l} 26 34 \\ 63 26 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 26 34 \\ 63 26 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 26 34 \end{array} \right.$	$\left\{ \begin{array}{l} 26 34 \\ 63 26 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 0'5000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 2'0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 2'0000 \\ \infty \end{array} \right.$

Melinophan.**Tetragonal.**

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 0.6584 \quad \lg c = 981849 \quad \lg a_o = 018151 \quad a_o = 1.5188$$

N ^o .	Buch- staben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	o ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	n	$\infty 3$	130	18 26	"	90 00	"	18 26	71 34	0.3333	"	"
4	d	o $\frac{2}{3}$	023	0 00	23 42	0 00	23 42	0 00	23 42	o	0.4389	0.4389
5	e	01	011	"	33 21	"	33 21	"	33 21	"	0.6584	0.6584
6	f	02	021	"	52 47	"	52 47	"	52 47	"	1.3167	1.3167
7	p	1	111	45 00	42 57	33 21	33 21	28 48	28 48	0.6584	0.6584	0.9311
8	B	$\frac{1}{2}\frac{1}{2}$	124	26 34	20 12	9 21	18 13	8 51	17 55	0.1646	0.3292	0.3680

Mellit.**Tetragonal.**

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 0.7463 \quad \lg c = 987291 \quad \lg a_o = 012709 \quad a_o = 1.340$$

N ^o .	Buch- staben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	o ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	45 00	"	90 00	"	45 00	45 00	1.0000	"	"
4	e	01	011	0 00	36 44	0 00	36 44	0 00	36 44	o	0.7463	0.7463
5	r	1	111	45 00	46 32	36 44	"	30 53	30 53	0.7463	"	1.0554

Mendipit.**Rhombsch.**

$$\frac{p_o}{q_o} = 1.2482; \quad \lg \frac{p_o}{q_o} = 009629; \quad \frac{a}{b} = 0.8012$$

N ^o .	Buch- staben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	b	o ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	o	"
4	m	∞	110	51 18	"	"	90 00	51 18	38 42	1.2482	∞	"

Meneghinit.

Rhombisch.

a = 0.9473	lga = 997649	lga ₀ = 014010	lgp ₀ = 985990	a ₀ = 1.3807	p ₀ = 0.7243
c = 0.6861	lgc = 983639	lgb ₀ = 016361	lgq ₀ = 983639	b ₀ = 1.4575	q ₀ = 0.6861

No.	Buchstaben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tg ρ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	k	6∞	610	81° 01'	"	"	90° 00	81° 01'	8° 58'	6.3337	∞	"
5	h	5∞	510	79° 16'	"	"	"	79° 16'	10° 43'	5.2781	"	"
6	U	2∞	210	64° 39'	"	"	"	64° 39'	25° 20'	2.1112	"	"
7	i	$\frac{7}{2}\infty$	740	61° 34'	"	"	"	61° 34'	28° 25'	1.8473	"	"
8	g	$\frac{3}{2}\infty$	320	57° 43'	"	"	"	57° 43'	32° 17'	1.5830	"	"
9	T	$\frac{3}{2}\infty$	110	46° 33'	"	"	"	46° 33'	43° 27'	1.0556	"	"
10	f	$\frac{5}{2}\infty$	560	41° 20'	"	"	"	41° 20'	48° 40'	0.8797	"	"
11	l	$\frac{5}{2}\infty$	340	38° 22'	"	"	"	38° 22'	51° 38'	0.7917	"	"
12	S	$\frac{5}{2}\infty$	230	35° 08'	"	"	"	35° 08'	54° 52'	0.7037	"	"
13	m	$\frac{3}{2}\infty$	120	27° 49'	"	"	"	27° 49'	62° 10'	0.5278	"	"
14	N	$\frac{3}{2}\infty$	130	19° 23'	"	"	"	19° 23'	70° 37'	0.3518	"	"
15	y	$\frac{3}{2}\infty$	038	0° 00	14° 25'	0° 00	14° 25'	0° 00	14° 25'	0	0.2573	0.2573
16	δ	$\frac{6}{5}\infty$	0.6.13	"	17° 34'	"	17° 34'	"	17° 34'	"	0.3166	0.3166
17	d	$\frac{6}{5}\infty$	012	"	18° 56'	"	18° 56'	"	18° 56'	"	0.3430	0.3430
18	o	$\frac{6}{5}\infty$	023	"	24° 35'	"	24° 35'	"	24° 35'	"	0.4574	0.4574
19	θ	$\frac{4}{5}\infty$	045	"	28° 45'	"	28° 45'	"	28° 45'	"	0.5489	0.5489
20	v	$\frac{4}{5}\infty$	011	"	34° 27'	"	34° 27'	"	34° 27'	"	0.6861	0.6861
21	w	$\frac{4}{5}\infty$	051	"	73° 45'	"	73° 45'	"	73° 45'	"	3.4305	3.4305
22	n	$\frac{1}{2}\infty$	102	90° 00	19° 52'	19° 52'	0° 00	19° 52'	0° 00	0.3613	0	0.3613
23	W	$\frac{3}{2}\infty$	203	"	25° 46'	25° 46'	"	25° 46'	"	0.4828	"	0.4828
24	V	$\frac{1}{2}\infty$	101	"	35° 55'	35° 55'	"	35° 55'	"	0.7242	"	0.7242
25	q	$\frac{1}{2}\infty$	12.0.11	"	38° 19'	38° 19'	"	38° 19'	"	0.7901	"	0.7901
26	p	$\frac{1}{2}\infty$	111	46° 33'	44° 56'	35° 55'	34° 27'	30° 51'	29° 03'	0.7242	0.6861	0.9977
27	β	$\frac{1}{2}\infty$	212	64° 39'	38° 42'	"	18° 56'	34° 25'	15° 31'	"	0.3430	0.8014
28	μ	$\frac{1}{2}\infty$	414	76° 40'	36° 39'	"	9° 44'	35° 31'	7° 54'	"	0.1715	0.7443
29	r	$\frac{1}{2}\infty$	122	27° 49'	37° 48'	19° 54'	34° 27'	16° 37'	32° 49'	0.3621	0.6861	0.7758
30	e	$\frac{1}{2}\infty$	12.12.11	46° 33'	47° 25'	38° 19'	36° 49'	32° 19'	30° 25'	0.7901	0.7484	1.0883
31	ψ	$\frac{1}{2}\infty$	12.12.13	"	42° 38'	33° 46'	32° 21'	29° 27'	27° 46'	0.6685	0.6333	0.9209
32	t	$\frac{1}{2}\infty$	112	"	26° 30'	19° 54'	18° 56'	18° 54'	17° 52'	0.3621	0.3430	0.4988
33	σ	$\frac{1}{2}\infty$	12.6.11	64° 39'	41° 09'	38° 19'	20° 31'	36° 30'	16° 22'	0.7901	0.3742	0.8743
34	λ	$\frac{1}{2}\infty$	12.6.13	"	36° 29'	33° 46'	17° 34'	32° 30'	14° 45'	0.6685	0.3166	0.7398
35	u	$\frac{1}{2}\infty$	214	"	21° 50'	19° 54'	9° 44'	19° 38'	9° 09'	0.3621	0.1715	0.4007
36	π	$\frac{1}{2}\infty$	12.24.13	27° 49'	55° 04'	33° 46'	51° 42'	22° 30'	46° 29'	0.6685	1.2667	1.4322
37	x	$\frac{1}{2}\infty$	12.18.13	35° 08'	49° 16'	"	43° 32'	25° 51'	38° 18'	"	0.9500	1.1616
38	s	$\frac{1}{2}\infty$	234	"	32° 11'	19° 54'	27° 14'	17° 51'	25° 49'	0.3621	0.5145	0.6292

Metacinnabarit.

Regulär. Tetraedrisch-hemiedrisch.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	q	$\begin{cases} +\frac{1}{2} \\ +12 \end{cases}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7071 \\ 2^\circ 2360 \end{matrix}$
3	n	$\begin{cases} +\frac{2}{3} \\ +1\frac{1}{2} \end{cases}$	$\begin{matrix} 223 \\ 232 \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 33^\circ 41' \end{matrix}$	$\begin{matrix} 43^\circ 19' \\ 60^\circ 59' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 56^\circ 18' \end{matrix}$	$\begin{matrix} 29^\circ 01' \\ " \end{matrix}$	$\begin{matrix} 29^\circ 01' \\ 46^\circ 41' \end{matrix}$	$\begin{matrix} 0^\circ 6667 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 6667 \\ 1^\circ 5000 \end{matrix}$	$\begin{matrix} 0^\circ 9428 \\ 1^\circ 8028 \end{matrix}$
4	pp'	$+1$	111	$45^\circ 00'$	$54^\circ 44'$	"	$45^\circ 00'$	$35^\circ 16'$	$35^\circ 16'$	"	$1^\circ 0000$	$1^\circ 4142$

Miargyrit.

Monoklin.

a = 2'9945	lga = 047632	lga ₀ = 001251	lg p ₀ = 998749	a ₀ = 1'0292	p ₀ = 0'9716
c = 2'9095	lg c = 046381	lg b ₀ = 953618	lg q ₀ = 045887	b ₀ = 0'3437	q ₀ = 2'8767
$\mu = \frac{1}{180} - \beta$ 81°22'	$\left. \begin{matrix} lgh = \\ lgsin\mu \end{matrix} \right\} 999506$	$\left. \begin{matrix} lgc = \\ lgcos\mu \end{matrix} \right\} 917691$	$lg \frac{p_0}{q_0} = 952861$	h = 0'9887	e = 0'1503

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' = tg ϱ
1	c	0	001	$90^\circ 00'$	$8^\circ 37'$	$8^\circ 37'$	$0^\circ 00'$	$8^\circ 37'$	$0^\circ 00'$	0'1515'	0	0'1515'
2	b	0 ∞	010	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	0	∞	∞
3	a	$\infty 0$	100	$90^\circ 00'$	"	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	∞	0	"
4	Δ	2 ∞	210	$34^\circ 02'$	"	"	$90^\circ 00'$	$34^\circ 02'$	$55^\circ 57'$	0'6755	∞	"
5	β	0 $\frac{1}{3}$	013	$8^\circ 51'$	$44^\circ 32'$	$8^\circ 37'$	$44^\circ 12'$	$6^\circ 12'$	$43^\circ 52'$	0'1515'	0'9723'	0'9841
6	ω	01	011	$2^\circ 59'$	$71^\circ 06'$	"	$71^\circ 04'$	$2^\circ 49'$	$70^\circ 52'$	"	2'9170	2'9210
7	n	$+\frac{30}{10}$	301	$90^\circ 00'$	$72^\circ 07'$	$72^\circ 07'$	$0^\circ 00'$	$72^\circ 07'$	$0^\circ 00'$	3'1001	0	3'1001
8	L	$+\frac{70}{10}$	703	"	$67^\circ 45'$	$67^\circ 45'$	"	$67^\circ 45'$	"	2'4450'	"	2'4450'
9	m	$+\frac{10}{10}$	101	"	$48^\circ 37'$	$48^\circ 37'$	"	$48^\circ 37'$	"	1'1347	"	1'1347
10	λ	$+\frac{1}{2}0$	102	"	$32^\circ 45'$	$32^\circ 45'$	"	$32^\circ 45'$	"	0'6434	"	0'6434
11	θ	$+\frac{1}{3}0$	103	"	$25^\circ 37'$	$25^\circ 37'$	"	$25^\circ 37'$	"	0'4796	"	0'4796
12	κ	$+\frac{1}{4}0$	104	"	$21^\circ 41'$	$21^\circ 41'$	"	$21^\circ 41'$	"	0'3977	"	0'3977
13	G	$+\frac{1}{5}0$	105	"	$19^\circ 13'$	$19^\circ 13'$	"	$19^\circ 13'$	"	0'3485	"	0'3485
14	M	$-\frac{1}{3}0$	103	$90^\circ 00'$	$9^\circ 57'$	$9^\circ 57'$	"	$9^\circ 57'$	"	0'1755'	"	0'1755'
15	u	$-\frac{2}{3}0$	203	"	$26^\circ 42'$	$26^\circ 42'$	"	$26^\circ 42'$	"	0'5031	"	0'5031
16	o	-10	101	"	$39^\circ 43'$	$39^\circ 43'$	"	$39^\circ 43'$	"	0'8307	"	0'8307
17	R	-20	201	"	$61^\circ 07'$	$61^\circ 07'$	"	$61^\circ 07'$	"	1'8134	"	1'8134
18	N	-30	301	"	$70^\circ 19'$	$70^\circ 19'$	"	$70^\circ 19'$	"	2'7961	"	2'7961

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
19	μ	$-\frac{7}{2}0$	702	90°00	73°05	73°05	0°00	73°05	0°00	3'2875	0	3'2875
20	t	$+\frac{1}{1}$	111	21 18	72 15	48 37	71 02	20 15	62 32	1'1347	2'9095	3'1229
21	h	$+\frac{1}{3}$	113	26 19	47 15	25 37	44 07	19 00	41 10	0'4796	0'9698	1'0819
22	l	$-\frac{1}{3}$	113	10 16	44 35	9 57	"	7 11	43 41	0'1756	"	0'9856
23	A	-1	111	15 56	71 43	39 43	71 02	15 06	65 55	0'8307	2'9095	3'0256
24	E	$+\frac{1}{2}$	212	37 57	61 32	48 37	55 30	32 44	43 53	1'1347	1'4547	1'8449
25	r	$+\frac{1}{2}$	121	11 02	80 25	"	80 15	10 53	75 26	"	5'8189	5'9284
26	v	$+\frac{1}{2}$	181	2 47	87 32	"	87 32	2 47	86 17	"	23'2756	23'303
27	p	$-\frac{1}{2}$	616	59 43	43 53	39 43	25 52	36 46	20 27	0'8307	0'4849	0'9619
28	π	$-\frac{1}{2}$	515	54 59	45 25	"	30 12	35 41	24 07	"	0'5819	1'0142
29	γ	$-\frac{1}{2}$	414	48 48	47 50	"	36 02	33 53	29 13	"	0'7274	1'1041
30	g	$-\frac{1}{2}$	313	40 35	51 56	"	44 07	30 48	36 43	"	0'9698	1'2770
31	z	$-\frac{1}{2}$	212	29 44	59 10	"	55 30	25 12	48 13	"	1'4547	1'6752
32	J	$-\frac{1}{2}$	676	13 45	74 02	"	73 35	13 13	69 02	"	3'3944	3'4945
33	B	$+\frac{1}{5}$	15'1'1	78 57	86 14	86 09	71 02	78 20	11 02	14'8930	2'9095	15'175
34	C	$+\frac{1}{5}$	811	70 03	83 18	82 53	"	69 00	19 49	8'0138	"	8'5257
35	D	$+\frac{1}{5}$	711	67 31	82 31	81 54	"	66 22	22 17	7'0310	"	7'6094
36	η	$+\frac{1}{5}$	611	64 18	81 32	80 37	"	63 02	25 23	6'0483	"	6'7117
37	F	$+\frac{1}{5}$	511	60 08	80 17	78 50	"	58 43	29 24	5'0655	"	5'8417
38	f	$+\frac{1}{5}$	922	57 32	79 33	77 40	"	56 05	31 51	4'5742	"	5'4211
39	φ	$+\frac{1}{5}$	411	54 31	78 43	76 14	"	53 00	34 41	4'0829	"	5'0135
40	d	$+\frac{1}{5}$	311	46 49	76 46	72 07	"	45 13	41 46	3'1001	"	4'2515
41	e	$+\frac{1}{5}$	522	41 53	75 39	69 01	"	40 18	46 09	2'6088	"	3'9078
42	s	$+\frac{1}{5}$	211	36 03	74 28	64 43	"	34 32	51 10	2'1175	"	3'5085
43	X	$+\frac{1}{5}$	122	19 48	72 05	46 20	"	18 48	63 32	1'0494	"	3'0924
44	x	$+\frac{1}{5}$	122	6 39	71 09	18 44	"	6 17	70 03	0'3393	"	2'9292
45	σ	$-\frac{1}{5}$	211	31 55	73 44	61 07	"	30 30	54 34	1'8124	"	3'4278
46	i	$-\frac{1}{5}$	311	43 52	76 05	70 19	"	42 16	44 25	2'7961	"	4'0353
47	k	$+\frac{1}{5}$	124	15 19	56 27	21 41	55 29	12 42	53 30	0'3977	1'4547	1'5081
48	ξ	$-\frac{2}{3}$	213	27 25	47 32	26 42	44 07	19 51	40 54	0'5031	0'9698	1'0925
49	S	$-\frac{2}{3}$	36'13'39	37 54	50 52	37 03	"	28 27	37 44	0'7551	"	1'2291
50	ψ	$-\frac{2}{3}$	413	50 03	56 30	49 12	"	39 44	32 22	1'1583	"	1'5106
51	q	$-\frac{4}{3}$	12'1'3	75 36	75 37	75 30	"	69 46	13 56	3'7812	"	3'9013
52	e	$-\frac{4}{3}$	12'5'20	31 02	40 19	23 38	36 02	19 29	33 40	0'4375	0'7273	0'8488
53	ζ	$-\frac{4}{3}$	215	22 30	32 12	13 33	30 12	11 46	29 30	0'2410	0'5819	0'6298
54	z	$+\frac{1}{3}$	137	13 08	52 00	16 13	51 16	10 19	50 08	0'2910	1'2469	1'2804
55	w	$+\frac{1}{3}$	12'1'15	72 59	33 33	32 23	10 58	31 54	9 18	0'6342	0'1939	0'6632

Mikrolith.

Rogniär.

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
1	c	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} " \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
3	m	$\begin{cases} \frac{1}{3} \\ 13 \end{cases}$	$\begin{matrix} 113 \\ 131 \end{matrix}$	$\begin{matrix} " \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 25^\circ 14' \\ 72^\circ 27' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \end{matrix}$	$\begin{matrix} 17^\circ 33' \\ " \end{matrix}$	$\begin{matrix} 17^\circ 33' \\ 64^\circ 45' \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 3^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 4714 \\ 3^\circ 1623 \end{matrix}$
4	p	1	111	45° 00'	54° 44'	"	45° 00'	35° 16'	35° 16'	"	1° 0000	1° 4142
5	u	$\begin{cases} \frac{1}{2} 1 \\ 2 \end{cases}$	$\begin{matrix} 122 \\ 221 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 48^\circ 11' \\ 70^\circ 31' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} " \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 19^\circ 28' \\ 41^\circ 48' \end{matrix}$	$\begin{matrix} 41^\circ 48' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} " \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 1180 \\ 2^\circ 8284 \end{matrix}$

Mikrosommit.

Hexagonal. Holoedrisch.

$$c = 1'449 \quad | \lg c = 016107 \quad | \lg a_0 = 007749 \quad | \lg p_0 = 998498 \quad | a_0 = 1'1953 \quad | p_0 = 0'9660 \quad (G_1)$$

N ^o .	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
1	o	0	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	∞	1010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	b	∞	1120	30° 00'	"	90° 00'	"	30° 00'	60° 00'	0° 5773	"	"
4	t	2 ∞	2130	19° 06'	"	"	"	19° 06'	70° 53'	0° 3464	"	"
5	h	$\frac{2}{3} 0$	2025	0° 00'	21° 07'	0° 00'	21° 07'	0° 00'	21° 07'	0	0° 3864	0° 3864
6	i	$\frac{1}{2} 0$	1012	"	25° 47'	"	25° 47'	"	25° 47'	"	0° 4830	0° 4830
7	x	10	1011	"	44° 00'	"	44° 00'	"	44° 00'	"	0° 9660	0° 9660
8	z	20	2021	"	62° 38'	"	62° 38'	"	62° 38'	"	1° 9320	1° 9320

Milarit.

Hexagonal. Holoedrisch.

$$c = 1'1466 \quad | \lg c = 005940 \quad | \lg a_0 = 017916 \quad | \lg p_0 = 988331 \quad | a_0 = 1'5106 \quad | p_0 = 0'7644 \quad (G_1)$$

N ^o .	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
1	o	0	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	∞	1010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	b	∞	1120	30° 00'	"	90° 00'	"	30° 00'	60° 00'	0° 5773	"	"
4	r	10	1011	0° 00'	37° 23'	0° 00'	37° 23'	0° 00'	37° 23'	0	0° 7644	0° 7644
5	ξ	$\frac{1}{2}$	1122	30° 00'	33° 30'	18° 19'	29° 49'	16° 01'	28° 33'	0° 3310	0° 5733	0° 6620

Millerit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 0.3295$	$\lg c = 951786$	$\lg a_0 = 072070$	$\lg p_0 = 934177$	$a_0 = 5.2565$	$p_0 = 0.2197$	(G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg φ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞ 0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	k	4∞	4150	10 53'	"	"	"	10 53'	79 06'	0.1924	"	"
5	e	$-\frac{1}{2}$	1122	30 00	10 46'	5 26	9 21'	5 21'	9 19	0.0951	0.1647	0.1902
6	r r ₁	± 1	1121	"	20 50	10 46	18 14	10 14'	17 56	0.1902	0.3295	0.3805
7	t	-3	3361	"	48 46'	29 43	44 40	22 05'	40 39	0.5707	0.9885	1.1414

Mimetesit.

Hexagonal. Pyramidal-hemiedrisch.

$c = 1.260$	$\lg c = 010037$	$\lg a_0 = 013819$	$\lg p_0 = 992428$	$a_0 = 1.3746$	$p_0 = 0.8400$	(G_1)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg φ
1	c	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞ 0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	h	2∞	2130	19 06'	"	"	"	19 06'	70 53'	0.3464	"	"
5	x	10	1011	0 00	40 02	0 00	40 02	0 00	40 02	o	0.8400	0.8400
6	y	20	2021	"	59 14	"	59 14	"	59 14	"	1.6800	1.6800
7	π	40	4041	"	73 25'	"	73 25'	"	73 25'	"	3.3600	3.3600
8	s	1	1121	30 00	55 30	36 02	51 34	24 20	45 32	0.7275	1.2600	1.4540
9	m	21	2131	19 06'	65 46'	"	64 32	17 22	59 30'	"	2.1000	2.2224

Molybdänglanz.

Hexagonal. Holodrisch. (?)

$c = 1.54$	$\lg c = 018752$	$\lg a_0 = 005104$	$\lg p_0 = 001143$	$a_0 = 1.1247$	$p_0 = 1.0267$	(G_1)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg φ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞ 0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	x	30	3031	0 00	72 00	0 00	72 00	0 00	72 00	o	3.0776	3.0776

Molybdit.**Rhombohed.**

$a = 0.3874$	$\lg a = 958816$	$\lg a_0 = 991174$	$\lg p_0 = 008826$	$a_0 = 0.8161$	$p_0 = 1.2253$
$c = 0.4747$	$\lg c = 967642$	$\lg b_0 = 032358$	$\lg q_0 = 967642$	$b_0 = 2.1066$	$q_0 = 0.4747$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	b	o ∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	∞	100	90° 00	0° 00	90° 00	0° 00	90° 00	0° 00	∞	o	"
4	μ	$\frac{4}{3}\infty$	430	73° 48	90° 00	"	90° 00	73° 48	16° 12	3'4417	∞	"
5	m	∞	110	68° 49'	"	"	"	68° 49'	21° 10'	2'5813	"	"
6	t	$\frac{1}{3}o$	103	90° 00	22° 13	22° 13	0° 00	22° 13	0° 00	0'4084	o	0'4084
7	s	$\frac{1}{2}o$	102	"	31° 29'	31° 29'	"	31° 29'	"	0'6127	"	0'6127
8	r	$\frac{2}{3}o$	203	"	39° 14'	39° 14'	"	39° 14'	"	0'8169	"	0'8169

Monazit.**Monoklin.**

$a = 0.9693$	$\lg a = 998646$	$\lg a_0 = 002004$	$\lg p_0 = 997996$	$a_0 = 1.0472$	$p_0 = 0.9549$
$c = 0.9256$	$\lg c = 996642$	$\lg b_0 = 003358$	$\lg q_0 = 995395$	$b_0 = 1.0804$	$q_0 = 0.8994$
$\mu = \frac{1}{180 - \beta} \} 76^\circ 20'$	$\lg h = \frac{1}{\lg \sin \mu} \} 998753$	$\lg e = \frac{1}{\lg \cos \mu} \} 937341$	$\lg \frac{p_0}{q_0} = 002601$	$h = 0.9717$	$e = 0.2363$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' = tge
1	c	o	001	90° 00	13° 40	13° 40	0° 00	13° 40	0° 00	0'2431	o	0'2431
2	b	o ∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	o	∞	∞
3	a	∞	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	o	"
4	y	3 ∞	310	72° 34	"	"	90° 00	72° 34	17° 26	3'1851	∞	"
5	l	2 ∞	210	64° 47	"	"	"	64° 47	25° 13	2'1234	"	"
6	m	∞	110	46° 43	"	"	"	46° 43	43° 17	1'0617	"	"
7	n	$\infty 2$	120	27° 58	"	"	"	27° 58	62° 02	0'5308	"	"
8	g	o $\frac{1}{2}$	012	27° 43	27° 36	13° 40	24° 50	12° 26	24° 13	0'2431	0'4628	0'5228
9	e	01	011	14° 43	43° 44'	"	42° 47	10° 07	41° 58	"	0'9256	0'9570
10	u	02	021	7° 29	61° 49'	"	61° 37'	6° 35'	60° 56	"	1'8515	1'8671
11	q	+70	701	90° 00	82° 00'	82° 00'	0° 00	82° 00'	0° 00	7'1222	o	7'1222
12	w	+10	101	"	50° 48	50° 48	"	50° 48	"	1'2258	"	1'2258

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
13	h	$+\frac{3}{8}0$	305	90°00	39°47	39°47	0°00	39°47	0°00	0'8328	0	0'8328
14	x	-10	101	90 00	36 29	36 29	"	36 29	"	0'7395	"	0'7345
15	r	$+1$	111	52 57	56 56	50 48	42 47	41 58	30 20	1'2259	0'9256	1'5361
16	p	$+21$	211	67 16	67 20	65 38	"	58 19	20 54	2'2086	"	2'3947
17	z	-31	311	71 06	70 43	69 43	"	63 16	17 48	2'7049	"	2'8590
18	i	-21	211	61 45	62 55	59 51	"	51 39	24 55	1'7222	"	1'9552
19	v	-1	111	38 37	49 50	36 29	"	28 29	36 39	0'7395	"	1'1847
20	s	$+12$	121	33 31	65 45	50 48	61 37	30 13	49 29	1'2259	1'8512	2'2203
21	t	$-1\frac{1}{2}$	212	57 58	41 06	36 29	24 50	33 52	20 24	0'7395	0'4628	0'8724
22	o	-12	121	21 46	63 21	"	61 37	19 22	56 06	"	1'8512	1'9934
23	f	$+\frac{1}{2}$	112	57 47	40 58	36 18	24 50	33 41	20 27	0'7345	0'4628	0'8682
24	d	$-\frac{1}{2}$	112	28 12	27 42	13 56	"	12 41	24 11	0'2481	"	0'5251

Monimolit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{Bmatrix} 0 \\ 0\infty \end{Bmatrix}$	$\begin{Bmatrix} 001 \\ 010 \end{Bmatrix}$	$\begin{Bmatrix} - \\ 0^\circ 00 \end{Bmatrix}$	$\begin{Bmatrix} 0^\circ 00 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 0^\circ 00 \\ " \end{Bmatrix}$	$\begin{Bmatrix} 0^\circ 00 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 0^\circ 00 \\ " \end{Bmatrix}$	$\begin{Bmatrix} 0^\circ 00 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 0 \\ " \end{Bmatrix}$	$\begin{Bmatrix} 0 \\ \infty \end{Bmatrix}$	$\begin{Bmatrix} 0 \\ \infty \end{Bmatrix}$
2	d	$\begin{Bmatrix} 01 \\ \infty \end{Bmatrix}$	$\begin{Bmatrix} 011 \\ 110 \end{Bmatrix}$	$\begin{Bmatrix} " \\ 45 00 \end{Bmatrix}$	$\begin{Bmatrix} 45 00 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} " \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} 45 00 \\ 90 00 \end{Bmatrix}$	$\begin{Bmatrix} " \\ 45 00 \end{Bmatrix}$	$\begin{Bmatrix} 45 00 \\ " \end{Bmatrix}$	$\begin{Bmatrix} " \\ 1'0000 \end{Bmatrix}$	$\begin{Bmatrix} 1'0000 \\ \infty \end{Bmatrix}$	$\begin{Bmatrix} 1'0000 \\ \infty \end{Bmatrix}$
3	m	$\begin{Bmatrix} \frac{1}{3} \\ 13 \end{Bmatrix}$	$\begin{Bmatrix} 113 \\ 131 \end{Bmatrix}$	$\begin{Bmatrix} " \\ 18 26 \end{Bmatrix}$	$\begin{Bmatrix} 25 14 \\ 72 27 \end{Bmatrix}$	$\begin{Bmatrix} 18 26 \\ 45 00 \end{Bmatrix}$	$\begin{Bmatrix} 18 26 \\ 71 34 \end{Bmatrix}$	$\begin{Bmatrix} 17 33 \\ " \end{Bmatrix}$	$\begin{Bmatrix} 17 33 \\ 64 45 \end{Bmatrix}$	$\begin{Bmatrix} 0'3333 \\ 1'0000 \end{Bmatrix}$	$\begin{Bmatrix} 0'3333 \\ 3'0000 \end{Bmatrix}$	$\begin{Bmatrix} 0'4714 \\ 3'1623 \end{Bmatrix}$
4	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142

Mordenit.

Monoklin.

a = 0'5013	lg a = 970010	lg a ₀ = 967080	lg p ₀ = 032920	a ₀ = 0'4686	p ₀ = 2'1340
c = 1'0698	lg c = 002930	lg b ₀ = 997070	lg q ₀ = 002915	b ₀ = 0'9347	q ₀ = 1'0694
$\mu = \begin{Bmatrix} 180 \\ -\beta \end{Bmatrix} 88^\circ 30$	$\lg h = \begin{Bmatrix} 999985 \\ \lg \sin \mu \end{Bmatrix}$	$\lg e = \begin{Bmatrix} 841792 \\ \lg \cos \mu \end{Bmatrix}$	$\lg \frac{p_0}{q_0} = 030005$	h = 0'9996	e = 0'0262

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90°00	1°30	1°30	0°00	1°30	0°00	0'0262	0	0'0262
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	l	∞	110	63 23	"	90 00	"	63 23	26 37	1'9955	"	"
4	t	$+10$	101	90 00	65 10	65 10	0 00	65 10	0 00	2'1610	0	2'1610
5	s	-10	101	90 00	64 37	64 37	"	64 37	"	2'1085	"	2'1085

Nadorit.**Rhomblisch.**

$a = 0.8881$	$\lg a = 994846$	$\lg a_0 = 980523$	$\lg p_0 = 019478$	$a_0 = 0.6386$	$p_0 = 1.9660$
$c = 1.3907$	$\lg c = 014323$	$\lg b_0 = 985677$	$\lg q_0 = 014323$	$b_0 = 0.7191$	$q_0 = 1.3907$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tge
1	o	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	r	2∞	210	66° 03'	"	"	90° 00	66° 03'	23° 56'	2.2520	∞	"
4	q	∞	110	48° 23'	"	"	"	48° 23'	41° 36'	1.1260	"	"
5	p	∞2	120	29° 23'	"	"	"	29° 23'	60° 37'	0.5630	"	"
6	θ	0 $\frac{1}{3}$	013	0° 00	24° 52'	0° 00	24° 52'	0° 00	24° 52'	0	0.4635	0.4635
7	η	01	011	"	54° 17'	"	54° 17'	"	54° 17'	1.3906	"	1.3906
8	e	0 $\frac{2}{3}$	053	"	66° 40'	"	66° 40'	"	66° 40'	"	2.3178	2.3178
9	ζ	02	021	"	70° 13'	"	70° 13'	"	70° 13'	"	2.7813	2.7813
10	ε	0 $\frac{7}{8}$	073	"	72° 52'	"	72° 52'	"	72° 52'	"	3.2450	3.2450
11	δ	0 $\frac{11}{13}$	0.11.3	"	78° 54'	"	78° 54'	"	78° 54'	"	5.0991	5.0991
12	?x	13	131	20° 34'	77° 21'	57° 26'	76° 31'	20° 03'	66° 00'	1.5660	4.1721	4.4562
13	?y	1 $\frac{2}{3}$	292	14° 03'	81° 11'	"	80° 55'	13° 53'	73° 28'	"	6.2580	6.4510
14	s	$\frac{2}{3}1$	233	36° 53'	60° 06'	46° 14'	54° 17'	31° 22'	43° 53'	1.0440	1.3907	1.7390

Nagyagit.**Rhomblisch.**

$a = 0.9836$	$\lg a = 999282$	$\lg a_0 = 974211$	$\lg p_0 = 025789$	$a_0 = 0.5522$	$p_0 = 1.8109$
$c = 1.7812$	$\lg c = 025071$	$\lg b_0 = 974929$	$\lg q_0 = 025071$	$b_0 = 0.5614$	$q_0 = 1.7812$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tge
1	B	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	∞	110	45° 28'	90° 00	90° 00	90° 00	45° 28'	44° 31'	1.0166	∞	∞
3	o	0 $\frac{1}{2}$	013	0° 00	30° 42'	0° 00	30° 42'	0° 00	30° 42'	0	0.5937	0.5937
4	i	0 $\frac{2}{3}$	023	"	49° 54'	"	49° 54'	"	49° 54'	"	1.1876	1.1876
5	e	01	011	"	60° 41'	"	60° 41'	"	60° 41'	"	1.7812	1.7812
6	h	02	021	"	74° 19'	"	74° 19'	"	74° 19'	"	3.5624	3.5624
7	g	$\frac{2}{3}0$	205	90° 00	35° 55'	35° 55'	0° 00	35° 55'	0° 00	0.7243	0	0.7243
8	f	$\frac{4}{3}0$	203	"	50° 22'	50° 22'	"	50° 22'	"	1.2073	"	1.2073
9	d	20	201	"	74° 34'	74° 34'	"	74° 34'	"	3.6217	"	3.6217

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
10	u	$\frac{1}{2}$	112	45° 28'	51° 47'	42° 09'	41° 41'	34° 04'	33° 26'	0'9054	0'8906	1'2700
11	q	$\frac{2}{3}$	223	"	59 26	50 22	49 54	37 52	37 08	1'2072	1'1875	1'6934
12	p	$\frac{4}{3}$	445	"	63 48	55 23	54 56	39 46	38 59	1'4487	1'4250	2'0320
13	r	1	111	"	68 30	61 05	60 41	41 33	40 44	1'8109	1'7812	2'5400
14	s	$\frac{3}{2}$	332	"	75 17	69 47	69 29	43 36	42 42	2'7163	2'6717	3'8101
15	t	2	221	"	78 52	74 34	74 19	44 23	43 28	3'6165	3'5624	5'0801

Nantokit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 10\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	p	1	111	45 00	54 44	45 00	45 00	35 16	35 16	1'0000	1'0000	1'4142

Natrolith.

Rhombsch.

a = 0'9811	lg a = 999171	lg a ₀ = 044480	lg p ₀ = 955520	a ₀ = 2'7848	p ₀ = 0'3591
c = 0'3523	lg c = 954691	lg b ₀ = 045309	lg q ₀ = 954691	b ₀ = 2'8385	q ₀ = 0'3525

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	b	0 ∞	010	0° 00'	90 00	"	90 00	"	90 00	"	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	l	6 ∞	610	80 43	"	"	90 00	80 43	9 17	6'1155	∞	"
5	d	3 ∞	310	71 53	"	"	"	71 53	18 06	3'0577	"	"
6	i	$\frac{1}{2}\infty$	740	60 43	"	"	"	60 43	29 16	1'7837	"	"
7	m	∞	110	45 33	"	"	"	45 33	44 27	1'0192	"	"
8	k	$\infty \frac{2}{3}$	590	29 31	"	"	"	29 31	60 29	0'5662	"	"
9	n	$\infty 2$	120	27 00	"	"	"	27 00	63 00	0'5096	"	"
10	g	01	011	0 00	19 24	0 00	19 24	0 00	19 24	0	0'3523	0'3523
11	h	03	031	"	46 35	"	46 35	"	46 35	"	1'0569	1'0569
12	D	10	101	90 00	19 24	19 24	0 00	19 24	0 00	0'3523	0	0'3523
13	u	30	301	"	46 39	46 39	"	46 39	"	1'0569	"	1'0569
14	v	60	601	"	64 41	64 41	"	64 41	"	2'1138	"	2'1138
15	p	1	111	45 33	26 42	19 45	19 24	18 42	18 20	0'3591	0'3523	0'5031

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
16	w	2	221	45° 33'	45° 10'	35° 41'	35° 10'	30° 25'	29° 47'	0° 7182	0° 7046	1° 0061
17	z	3	331	"	56 28	47 08	46 35	36 31	35 43	1° 0772	1° 0569	1° 5091
18	s	5	551	"	68 19	60 53	60 25	41 33	40 36	1° 7954	1° 7615	2° 5152
19	y	13	131	18 46	48 06	21 02	46 35	13 52	44 51	0° 3590	1° 0569	1° 1162
20	β	31	311	71 53	48 34	47 08	19 24	45 27	13 28	1° 0772	0° 3523	1° 1334
21	a	51	511	78 54	61 20	60 53	"	59 26	9 43	1° 7954	"	1° 8297
22	f	39	391	18 46	73 22	47 08	72 29	17 57	65 07	1° 0772	3° 1707	3° 3487

Natronsalpeter.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 0.8266 \quad \lg c = 991730 \quad \lg a_0 = 032126 \quad \lg p_0 = 974121 \quad a_0 = 2.0954 \quad p_0 = 0.5511 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
1	p	1	1121	30° 00'	43° 40'	25° 31'	39° 34'	20° 12'	36° 43'	0° 4772	0° 8266	0° 9545

Nephelin.

Hexagonal. Holloedrisch.

$$c = 1.453 \quad \lg c = 016227 \quad \lg a_0 = 007629 \quad \lg p_0 = 998618 \quad a_0 = 1.1920 \quad p_0 = 0.9687 \quad (G_1)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
1	o	0	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	∞ 0	1010	0° 00'	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0° 5773	"	"
4	t	2 ∞	2130	19 06	"	"	"	19 06	70 53	0° 3464	"	"
5	h	$\frac{2}{3}$ 0	2025	0 00	21 16	0 00	21 16	0 00	21 16	0	0° 3893	0° 3893
6	i	$\frac{1}{2}$ 0	1012	"	25 50	"	25 50	"	25 50	"	0° 4843	0° 4843
7	k	$\frac{2}{3}$ 0	2023	"	32 51	"	32 51	"	32 51	"	0° 6458	0° 6458
8	x	10	1011	"	44 05	"	44 05	"	44 05	"	0° 9687	0° 9687
9	z	20	2021	"	62 42	"	62 42	"	62 42	"	1° 9374	1° 9374
10	l	40	4041	"	75 31	"	75 31	"	75 31	"	3° 8747	3° 8747
11	n	60	6061	"	80 14	"	80 14	"	80 14	"	5° 8120	5° 8120
12	e	1	1121	30 00	59 12	39 59	55 28	25 26	48 04	0° 8389	1° 4530	1° 6778
13	f	2	2241	"	73 24	59 12	71 00	28 38	56 05	1° 6778	2° 9060	3° 3556

Neptunit.

Monoklin.

$a = 1.3164$	$\lg a = 0.11939$	$\lg a_0 = 0.21225$	$\lg p_0 = 9.78775$	$a_0 = 1.6302$	$p_0 = 0.6134$
$c = 0.8075$	$\lg c = 9.90714$	$\lg b_0 = 0.09286$	$\lg q_0 = 9.86214$	$b_0 = 1.2384$	$q_0 = 0.7280$
$\mu_{180} = \beta \} 64^\circ 22'$	$\lg h = \} 9.95500$	$\lg e = \} 9.63610$	$\lg p_0^P = 9.92561$	$h = 0.9016$	$e = 0.4326$
	$\lg \sin \mu$	$\lg \cos \mu$			

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' $= \lg \varrho$
1	c	0	001	90° 00'	25° 38'	25° 38'	0° 00'	25° 38'	0° 00'	0.4798	0	0.4798
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	0 00	90 00	0 00	90 00	0 00	∞	0	0
4	m	∞	110	40 07	90 00	"	90 00	40 07	49 53	0.8426	∞	"
5	e	-20	201	90 00	41 22'	41 22'	0 00	41 22'	0 00	0.8809	0	0.8809
6	d	-30	301	"	57 21'	57 21'	"	57 21'	"	1.5613	"	1.5613
7	s	+1	111	55 10	54 43'	49 14'	38 55	42 04'	27 48	1.1602	0.8075	1.4135
8	o	-1	111	13 57	39 45'	11 20'	"	8 52	38 22	0.2005	"	0.8320
9	v	+2	221	48 44	67 47	61 29	58 14	44 06	37 38	1.8405	1.6150	2.4487
10	u	-2½	512	71 42	52 08	50 41	21 59	48 33	14 21	1.2211	0.4037	1.2861

Nesquehonit.

Rhombeisch.

$a = 0.645$	$\lg a = 9.80956$	$\lg a_0 = 0.14983$	$\lg p_0 = 9.85017$	$a_0 = 1.4120$	$p_0 = 0.7082$
$c = 0.4568$	$\lg c = 9.65973$	$\lg b_0 = 0.34027$	$\lg q_0 = 9.65973$	$b_0 = 2.1891$	$q_0 = 0.4568$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d $= \lg \varrho$
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	b	0∞	010	0° 00'	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	57 11	"	90 00	"	57 11	32 49	1.5503	"	"
4	d	01	011	0 00	24 33	0 00	24 33	0 00	24 33	0	0.4568	0.4568

Newberyit.

Rhomhisch.

$a = 0.9548$	$lg a = 997991$	$lg a_0 = 000863$	$lg p_0 = 999137$	$a_0 = 1.0201$	$p_0 = 0.9803$
$c = 0.9360$	$lg c = 997128$	$lg b_0 = 002872$	$lg q_0 = 997128$	$b_0 = 1.0684$	$q_0 = 0.9360$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	l	2∞	210	64° 29	"	"	90° 00	64° 29	25° 31	2.0947	∞	"
5	v	$\frac{3}{2}\infty$	320	57° 31'	"	"	"	57° 31'	32° 28'	1.5710	"	"
6	n	$\frac{2}{3}\infty$	750	55° 42'	"	"	"	55° 42'	34° 17'	1.4663	"	"
7	t	$\frac{4}{3}\infty$	430	54° 23'	"	"	"	54° 23'	35° 36'	1.3964	"	"
8	m	∞	110	46° 19'	"	"	"	46° 19'	43° 40'	1.0473	"	"
9	g	01	011	0° 00	43° 06'	0° 00	43° 06'	0° 00	43° 06'	0	0.9360	0.9360
10	f	02	021	"	61° 53'	"	61° 53'	"	61° 53'	"	1.8720	1.8720
11	e	$\frac{1}{2}0$	102	90° 00	26° 07	26° 07	0° 00	26° 07	0° 00	0.4901	0	0.4901
12	d	10	101	"	44° 26	44° 26	"	44° 26	"	0.9803	0	0.9803
13	q	$\frac{3}{2}0$	302	"	55° 47	55° 47	"	55° 47	"	1.4705	"	1.4705
14	s	$\frac{2}{3}1$	722	74° 44'	74° 17'	73° 45'	43° 06'	68° 14'	14° 40'	3.4312	0.9360	3.5566
15	r	21	211	64° 29	65° 17	62° 58'	"	55° 03'	23° 02'	1.9606	"	2.1726
16	o	1	111	46° 19'	53° 35	44° 26	"	35° 35'	33° 45'	0.9803	"	1.3554
17	h	$\frac{2}{3}$	223	"	42° 06	33° 10	31° 58	29° 00'	27° 35	0.6535	0.6240	0.9036
18	p	$\frac{1}{2}$	112	"	34° 07	26° 07	25° 05	23° 56'	22° 47'	0.4901	0.4680	0.6777

Nickeltitriol.

Rhomhisch.

$a = 0.9817$	$lg a = 999201$	$lg a_0 = 023950$	$lg p_0 = 976050$	$a_0 = 1.7358$	$p_0 = 0.5761$
$c = 0.5656$	$lg c = 975251$	$lg b_0 = 024749$	$lg q_0 = 975251$	$b_0 = 1.7680$	$q_0 = 0.5656$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	0∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	m	∞	110	45° 31'	"	90° 00	"	45° 31'	44° 28'	1.0186	"	"
3	f	∞2	120	26° 29'	"	"	"	26° 29'	63° 30'	0.5093	"	"
4	v	01	011	0° 00	29° 29'	0° 00	29° 29'	0° 00	29° 29'	0	0.5656	0.5656
5	r	02	021	"	48° 31'	"	48° 31'	"	48° 31'	"	1.1312	1.1312
6	n	10	101	90° 00	29° 57	29° 57	0° 00	29° 57	0° 00	0.5761	0	0.5761
7	x	20	201	"	49° 02'	49° 02'	"	49° 02'	"	1.1522	"	1.1522
8	z	1	111	45° 31'	38° 55	29° 57	29° 29'	26° 38	26° 06'	0.5761	0.5656	0.8074
9	t	12	121	26° 59'	51° 46	"	48° 31'	20° 53	44° 25'	"	1.1312	1.2694
10	s	21	211	63° 51'	52° 05	49° 03	29° 29'	45° 05	20° 21	1.1522	0.5656	1.2835

Nordenskjöldin.

Hexagonal. Rhomboedrisch-hemiedrisch

$c = 0.8221$	$\lg c = 991492$	$\lg a_0 = 032364$	$\lg p_0 = 973883$	$a_0 = 2.1069$	$p_0 = 0.5481$	(G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞o	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	p	1	1121	30 00	43 31'	25 23'	39 25'	20 08	36 36	0.4746	0.8221	0.9493

Nosean.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	c	$\begin{cases} o \\ \infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0° 00 \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} o \\ " \end{cases}$	$\begin{cases} o \\ \infty \end{cases}$	$\begin{cases} o \\ \infty \end{cases}$
2	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} " \\ 45 00 \end{cases}$	$\begin{cases} 45 00 \\ 90 00 \end{cases}$	$\begin{cases} " \\ 90 00 \end{cases}$	$\begin{cases} 45 00 \\ 90 00 \end{cases}$	$\begin{cases} " \\ 45 00 \end{cases}$	$\begin{cases} 45 00 \\ " \end{cases}$	$\begin{cases} " \\ 1.0000 \end{cases}$	$\begin{cases} 1.0000 \\ \infty \end{cases}$	$\begin{cases} 1.0000 \\ \sim \end{cases}$

Ochrolith.

Rhombisch.

$a = 0.9050$	$\lg a = 995665$	$\lg a_0 = 965264$	$\lg p_0 = 034736$	$a_0 = 0.4494$	$p_0 = 2.2251$
$c = 2.0138$	$\lg c = 030401$	$\lg b_0 = 969599$	$\lg q_0 = 030401$	$b_0 = 0.4966$	$q_0 = 2.0138$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	e	01	011	0° 00	63 35'	"	63 35'	"	63 35'	"	2.0138	2.0138
3	d	10	101	90 00	65 48'	65 48'	0 00	65 48'	0 00	2.2251	o	2.2251

Oldhamit. Olivenit. Olivin-Gruppe: Olivin. Chrysolith. Forsterit. Hyalosiderit. Titanolivin. 251

Oldhamit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$

Olivenit.

Rhombsch.

a = 0.9485	lg a = 997704	lg a ₀ = 014389	lg p ₀ = 985610	a ₀ = 1.3928	p ₀ = 0.7180
c = 0.6810	lg c = 983315	lg b ₀ = 016685	lg q ₀ = 983315	b ₀ = 1.4684	q ₀ = 0.6810

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	a	0 ∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
2	b	$\infty 0$	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
3	m	∞	110	46° 31'	"	"	90° 00'	46° 31'	43° 29'	1.0542	∞	"
4	f	0 $\frac{1}{2}$	013	0° 00'	12° 47'	0° 00'	12° 47'	0° 00'	12° 47'	0	0.2270	0.2270
5	e	01	011	"	34° 15'	"	34° 15'	"	34° 15'	"	0.6810	0.6810
6	v	10	101	90° 00'	35° 40'	35° 40'	0° 00'	35° 40'	0° 00'	0.7179	0	0.7179

Olivin-Gruppe¹⁾

Olivin. Chrysolith. Forsterit. Hyalosiderit.
Titanolivin.

Rhombsch.

a = 0.4658	lg a = 966820	lg a ₀ = 989993	lg p ₀ = 010007	a ₀ = 0.7942	p ₀ = 1.2591
c = 0.5865	lg c = 976827	lg b ₀ = 023173	lg q ₀ = 976827	b ₀ = 1.7050	q ₀ = 0.5865

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	0	001	-	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	0 ∞	010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	c	$\infty 0$	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
4	(m)	2 ∞	210	76° 53'	"	"	90° 00'	76° 53'	13° 06'	4.2937	∞	"
5	u	$\frac{2}{3}\infty$	540	69° 34'	"	"	"	69° 34'	20° 26'	2.6835	"	"
6	(v)	$\frac{1}{9}\infty$	10.9.0	67° 15'	"	"	"	67° 15'	22° 44'	2.3853	"	"

¹⁾ Die Formen mit Buchstaben in Klammern () sind nicht bei dieser, wohl aber bei anderen Olivin-Arten beobachtet.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
7	n	∞	110	65° 01'	90° 00'	90° 00'	90° 00'	65° 01'	24° 58'	2'1468	∞	∞
8	(x)	$\infty \frac{1}{2}$	230	55° 03'	"	"	"	55° 03'	34° 56'	1'4312	"	"
9	s	$\infty 2$	120	47° 01'	"	"	"	47° 01'	42° 58'	1'0734	"	"
10	r	$\infty 3$	130	35° 35'	"	"	"	35° 35'	54° 24'	0'7156	"	"
11	z	$\infty 4$	140	28° 13'	"	"	"	28° 13'	61° 46'	0'5345	"	"
12	(y)	$\infty 5$	150	23° 14'	"	"	"	23° 14'	66° 46'	0'4293	"	"
13	w	$0 \frac{1}{2}$	012	0° 00'	16° 20'	0° 00'	16° 20'	0° 00'	16° 20'	0	0'2932	0'2932
14	h	01	011	"	30° 23'	"	30° 23'	"	30° 23'	"	0'5865	0'5865
15	(p)	$0 \frac{3}{2}$	032	"	41° 20'	"	41° 20'	"	41° 20'	"	0'8797	0'8797
16	k	02	021	"	49° 33'	"	49° 33'	"	49° 33'	"	1'1730	1'1730
17	i	04	041	"	66° 55'	"	66° 55'	"	66° 55'	"	2'3460	2'3460
18	β	$\frac{1}{6} 0$	106	90° 00'	11° 51'	11° 51'	0° 00'	11° 51'	"	0'2098	0	0'2098
19	v	$\frac{1}{2} 0$	102	"	32° 11'	32° 11'	"	32° 11'	"	0'6295	"	0'6295
20	γ	$\frac{2}{3} 0$	203	"	40° 00'	40° 00'	"	40° 00'	"	0'8392	"	0'8392
21	d	10	101	"	51° 32'	51° 32'	"	51° 32'	"	1'2591	"	1'2591
22	l	13	131	35° 35'	65° 12'	"	60° 23'	31° 53'	47° 34'	"	1'7595	2'1636
23	f	12	121	47° 01'	59° 50'	"	49° 33'	39° 14'	36° 06'	"	1'1730	1'7204
24	e	1	111	65° 01'	54° 15'	"	30° 23'	47° 22'	20° 02'	"	0'5865	1'3890
25	g	$1 \frac{1}{2}$	212	67° 53'	52° 16'	"	16° 20'	50° 23'	10° 20'	"	0'2932	1'2928
26	o	$\frac{1}{2} 1$	112	65° 01'	34° 47'	32° 11'	"	31° 08'	13° 56'	0'6295	"	0'6945
27	q	$\frac{1}{6} 1$	116	"	13° 02'	11° 51'	5° 35'	11° 48'	5° 28'	0'2098	0'0977	0'2315
28	α	$\frac{2}{3} \frac{1}{3}$	213	67° 53'	40° 45'	40° 00'	11° 03'	39° 29'	8° 31'	0'8394	0'1955	0'8619

Olivin-Gruppe¹⁾

Fayalit.

Rhombisch.

a = 0.460	lg a = 966276	lg a ₀ = 990008	lg p ₀ = 009992	a ₀ = 0.7945	p ₀ = 1.2587
c = 0.579	lg c = 976268	lg b ₀ = 023732	lg q ₀ = 976268	b ₀ = 1.7271	q ₀ = 0.5790

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	000	010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	c	$\infty 0$	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
4	(m)	200	210	77° 03'	"	"	90° 00'	77° 03'	12° 57'	4'3478	∞	"
5	(u)	$\frac{5}{2} 00$	540	69° 48'	"	"	"	69° 48'	20° 12'	2'7173	"	"
6	(v)	$\frac{1}{9} 00$	10'9'0	67° 30'	"	"	"	67° 30'	22° 29'	2'4154	"	"

¹⁾ Vgl. Fußnote S. 251.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
7	n	∞	110	65° 18'	90° 00'	90° 00'	90° 00'	65° 18'	24° 42'	2' 1739	∞	∞
8	x	$\infty \frac{1}{2}$	230	55° 23'	"	"	"	55° 23'	34° 36'	1' 4492	"	"
9	s	$\infty 2$	120	47° 23'	"	"	"	47° 23'	42° 37'	1' 0869	"	"
10	r	$\infty 3$	130	35° 55'	"	"	"	35° 55'	54° 04'	0' 7246	"	"
11	(z)	$\infty 4$	140	28° 31'	"	"	"	28° 31'	61° 28'	0' 5434	"	"
12	y	$\infty 5$	150	23° 30'	"	"	"	23° 30'	66° 30'	0' 4348	"	"
13	(w)	$0 \frac{1}{2}$	012	0° 00'	16° 09'	0° 00'	16° 09'	0° 00'	16° 09'	0	0' 2895	0' 2895
14	h	01	011	"	30° 04'	"	30° 04'	"	30° 04'	"	0' 5790	0' 5790
15	(p)	$0 \frac{2}{3}$	032	"	40° 58'	"	40° 58'	"	40° 58'	"	0' 8685	0' 8685
16	k	02	021	"	49° 11'	"	49° 11'	"	49° 11'	"	1' 1580	1' 1580
17	(i)	04	041	"	66° 39'	"	66° 39'	"	66° 39'	"	2' 3160	2' 3160
18	(β)	$\frac{1}{6} 0$	106	90° 00'	11° 51'	11° 51'	0° 00'	11° 51'	0° 00'	0' 2098	0	0' 2098
19	(v)	$\frac{1}{2} 0$	102	"	32° 11'	32° 11'	"	32° 11'	"	0' 6293	"	0' 6293
20	(y)	$\frac{2}{3} 0$	203	"	40° 00'	40° 00'	"	40° 00'	"	0' 8391	"	0' 8391
21	d	10	101	"	51° 32'	51° 32'	"	51° 32'	"	1' 2587	"	1' 2587
22	l	13	131	35° 55'	65° 00'	"	60° 04'	32° 08'	47° 13'	"	1' 7370	2' 1451
23	f	12	121	47° 23'	59° 41'	"	49° 11'	39° 26'	35° 46'	"	1' 1580	1' 7103
24	e	1	111	65° 18'	54° 11'	"	30° 04'	47° 27'	19° 48'	"	0' 5790	1' 3855
25	(g)	$1 \frac{1}{2}$	212	77° 03'	52° 15'	"	16° 08'	50° 24'	10° 12'	"	0' 2895	1' 2915
26	(o)	$\frac{1}{2}$	112	65° 18'	34° 42'	32° 11'	"	31° 09'	13° 46'	0' 6293	"	0' 6927
27	(q)	$\frac{1}{6}$	116	"	13° 00'	11° 50'	5° 30'	11° 47'	5° 24'	0' 2098	0' 0965	0' 2309
28	(a)	$\frac{2}{3} \frac{1}{2}$	213	77° 03'	40° 44'	40° 00'	10° 55'	39° 29'	8° 24'	0' 8391	0' 1930	0' 8610

Olivin-Gruppe¹⁾

Monticellit.

Rhombohed.

a = 0'4337	lg a = 963719	lg a ₀ = 987699	lg p ₀ = 012301	a ₀ = 0'7533	p ₀ = 1'3274
c = 0'5757	lg c = 976020	lg b ₀ = 023980	lg q ₀ = 976020	b ₀ = 1'7370	q ₀ = 0'5757

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	(b)	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	0 ∞	010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	c	$\infty 0$	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
4	(m)	2 ∞	210	77° 46'	"	"	90° 00'	77° 46'	12° 14'	4' 6114	∞	"
5	(u)	$\frac{2}{3} \infty$	540	70° 52'	"	"	"	70° 52'	19° 08'	2' 8822	"	"
6	(v)	$\frac{1}{6} \infty$	10' 9' 0	68° 40'	"	"	"	68° 40'	21° 19'	2' 5619	"	"

¹⁾ Vgl. Fußnote S. 251.

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
7	n	∞	110	66° 33'	90° 00'	90° 00'	90° 00'	66° 33'	23° 27'	2'3057	∞	∞
8	(x)	$\infty \frac{1}{2}$	230	56° 57'	"	"	"	56° 57'	33° 03'	1'5371	"	"
9	s	$\infty 2$	120	49° 03'	"	"	"	49° 03'	40° 56'	1'1528	"	"
10	(r)	$\infty 3$	130	37° 32'	"	"	"	37° 32'	52° 27'	0'7685	"	"
11	(z)	$\infty 4$	140	29° 57'	"	"	"	29° 57'	60° 02'	0'5764	"	"
12	(y)	$\infty 5$	150	24° 45'	"	0° 00'	"	24° 45'	65° 14'	0'4611	"	"
13	(w)	$0 \frac{1}{2}$	012	0° 00'	16° 03'	"	16° 03'	0° 00'	16° 03'	0	0'2878	0'2878
14	h	01	011	"	29° 56'	"	29° 56'	"	29° 56'	"	0'5757	0'5757
15	(p)	$0 \frac{3}{2}$	032	"	40° 49'	"	40° 49'	"	40° 49'	"	0'8635	0'8635
16	k	02	021	"	49° 01'	"	49° 01'	"	49° 01'	"	1'1514	1'1514
17	(i)	04	041	"	66° 31'	"	66° 31'	"	66° 31'	"	2'3028	2'3028
18	(β)	$\frac{1}{6} 0$	106	90° 00'	12° 28'	12° 28'	0° 00'	12° 28'	0° 00'	0'2212	0	0'2212
19	(v)	$\frac{1}{3} 0$	102	"	33° 34'	33° 34'	"	33° 34'	"	0'6637	"	0'6637
20	(γ)	$\frac{2}{3} 0$	203	"	41° 30'	41° 30'	"	41° 30'	"	0'8849	"	0'8849
21	d	10	101	"	53° 00'	53° 00'	"	53° 00'	"	1'3274	"	1'3274
22	(l)	13	131	37° 32'	65° 20'	"	59° 56'	33° 37'	46° 14'	"	1'7271	2'1782
23	f	12	121	49° 03'	60° 21'	"	49° 01'	41° 02'	34° 43'	"	1'1514	1'7572
24	e	1	111	66° 33'	55° 21'	"	29° 56'	49° 00'	19° 06'	"	0'5757	1'4469
25	(g)	$1 \frac{1}{2}$	212	77° 46'	53° 38'	"	16° 03'	51° 54'	9° 49'	"	0'2878	1'3583
26	(o)	$\frac{1}{2}$	112	66° 33'	35° 53'	33° 34'	"	32° 32'	13° 29'	0'6637	"	0'7234
27	(q)	$\frac{1}{3}$	116	"	13° 33'	12° 28'	5° 29'	12° 52'	5° 21'	0'2212	0'0959	0'2411
28	(a)	$\frac{2}{3} \frac{1}{3}$	213	77° 46'	42° 09'	41° 30'	10° 52'	40° 59'	8° 10'	0'8849	0'1919	0'9055

Olivin-Gruppe¹⁾

Tephroit.

Rhombisch.

a = 0'4600	lg a = 966276	lg a ₀ = 988905	lg p ₀ = 011095	a ₀ = 0'7745	p ₀ = 1'2911
c = 0'5939	lg c = 977371	lg b ₀ = 022629	lg q ₀ = 977371	b ₀ = 1'6838	q ₀ = 0'5939

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	(b)	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	(a)	0∞	010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	c	$\infty 0$	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
4	(m)	2∞	210	77° 03'	"	"	90° 00'	77° 03'	12° 57'	4'3478	∞	"
5	(u)	$\frac{2}{3} \infty$	540	69° 47'	"	"	"	69° 47'	20° 12'	2'7173	"	"
6	v	$\frac{1}{3} 0 \infty$	10'9'0	67° 30'	"	"	"	67° 30'	22° 29'	2'4154	"	"

¹⁾ Vergl. Fussnote 8. 251.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =lg ϱ
7	n	∞	110	65° 18'	90° 00'	90° 00'	90° 00'	65° 18'	24° 42'	2'1739	∞	∞
8	(x)	$\infty \frac{1}{2}$	230	55 23'	"	"	"	55 23'	34 36'	1'4492	"	"
9	s	$\infty 2$	120	47 23'	"	"	"	47 23'	42 37'	1'0869	"	"
10	(r)	$\infty 3$	130	35 55'	"	"	"	35 55'	54 04'	0'7246	"	"
11	(z)	$\infty 4$	140	28 31'	"	"	"	28 31'	61 28'	0'5434	"	"
12	(y)	$\infty 5$	150	23 30'	"	"	"	23 30'	66 30'	0'4348	"	"
13	(w)	$0 \frac{1}{2}$	012	0 00'	16 32'	0 00'	16 32'	0 00'	16 32'	0	0'2969	0'2969
14	h	01	011	"	30 42'	"	30 42'	"	30 42'	"	0'5939	0'5939
15	(p)	$0 \frac{2}{3}$	032	"	41 42'	"	41 42'	"	41 42'	"	0'8908	0'8908
16	(k)	02	021	"	49 54'	"	49 54'	"	49 54'	"	1'1878	1'1878
17	(i)	04	041	"	67 10'	"	67 10'	"	67 10'	"	2'3756	2'3756
18	(β)	$\frac{1}{6} 0$	106	90 00'	12 08'	12 08'	0 00'	12 08'	0 00'	0'2152	0	0'2152
19	(v)	$\frac{1}{2} 0$	102	"	32 50'	32 50'	"	32 50'	"	0'6455	"	0'6455
20	(γ)	$\frac{2}{3} 0$	203	"	40 43'	40 43'	"	40 43'	"	0'8607	"	0'8607
21	(d)	10	101	"	52 14'	52 14'	"	52 14'	"	1'2911	"	1'2911
22	l	13	131	35 55'	65 33'	"	60 42'	32 17'	47 29'	"	1'7817	2'2003
23	f	12	121	47 23'	60 19'	"	49 54'	39 44'	36 02'	"	1'1878	1'7543
24	e	1	111	65 18'	54 52'	"	30 42'	47 59'	19 59'	"	0'5939	1'4211
25	(g)	$1 \frac{1}{2}$	212	77 03'	52 57'	"	16 32'	51 03'	10 18'	"	0'2969	1'3247
26	(o)	$\frac{1}{2}$	112	65 18'	35 24'	32 50'	"	31 45'	14 00'	0'6455	"	0'7106
27	(q)	$\frac{1}{6}$	116	"	13 19'	12 08'	5 39'	12 05'	5 31'	0'2152	0'0990	0'2369
28	(a)	$\frac{2}{3} \frac{1}{3}$	213	77 03'	41 27'	40 43'	11 12'	40 10'	8 32'	0'8607	0'1980	0'8832

Orthit.

Monoklin.

a = 1'5527	lg a = 019109	lg a ₀ = 994116	lg p ₀ = 005884	a ₀ = 0'8733	p ₀ = 1'1451
c = 1'7780	lg c = 024993	lg b ₀ = 975007	lg q ₀ = 020721	b ₀ = 0'5624	q ₀ = 1'6114
$\mu_{180-\beta} = 65^\circ 00'$	lg h = 995728 lg sin μ	lg e = 962595 lg cos μ	lg p ₀ = 985163 lg q ₀	h = 0'9063	e = 0'4226

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00'	25° 00'	25° 00'	0° 00'	25° 00'	0° 00'	0'4663	0	0'4663
2	t	$\infty 0$	100	"	90 00'	90 00'	"	90 00'	"	∞	"	∞
3	II	10 ∞	10'1'0	81 59'	"	"	90 00'	81 59'	8 00'	7'1060	∞	"
4	U	6 ∞	610	76 48'	"	"	"	76 48'	13 12'	4'2633	"	"
5	u	2 ∞	210	54 52'	"	"	"	54 52'	35 08'	1'4212	"	"
6	z	∞	110	35 24'	"	"	"	35 24'	54 36'	0'7106	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
7	k	$0\frac{1}{2}$	012	27° 41'	45° 06'	25° 00'	41° 38'	19° 13'	38° 51'	0'4663	0'8890	1'0039
8	o	01	011	14 42	61 27	"	60 39	12 52'	58 10'	"	1'7780	1'8381
9	θ	+20	201	90 00	71 31'	71 31'	0 00	71 31'	0 00	2'9932	0	2'9932
10	e	+10	101	"	59 58	59 58	"	59 58	"	1'7297	"	1'7297
11	m	+ $\frac{1}{2}$ 0	102	"	47 40'	47 40'	"	47 40'	"	1'0979	"	1'0979
12	S	- $\frac{1}{4}$ 0	104	"	8 33	8 33	"	8 33	"	0'1503	"	0'1503
13	R	- $\frac{1}{3}$ 0	103	"	2 35	2 35	"	2 35	"	0'0451	"	0'0451
14	i	- $\frac{1}{2}$ 0	102	90 00	9 23'	9 23'	"	9 23'	"	0'1654	"	0'1654
15	σ	- $\frac{1}{3}$ 0	203	"	20 36'	20 36'	"	20 36'	"	0'3760	"	0'3760
16	r	-10	101	"	38 34	38 34	"	38 34	"	0'7972	"	0'7972
17	K	- $\frac{3}{2}$ 0	302	"	55 01	55 01	"	55 01	"	1'4289	"	1'4289
18	a	-20	201	"	64 07	64 07	"	64 07	"	2'0606	"	2'0606
19	f	-30	301	"	73 15'	73 15'	"	73 15'	"	3'3241	"	3'3241
20	l	-50	501	"	80 18	80 18	"	80 18	"	5'8510	"	5'8510
21	d	+1	111	44 13	68 02'	59 58	60 39	40 18	41 40	1'7297	"	2'4805
22	v	+ $\frac{1}{2}$	112	51 00'	54 42'	47 40'	41 38'	39 22'	30 54	1'0980	0'8890	1'4128
23	V	+ $\frac{1}{4}$	115	63 41	38 44	35 43	19 34'	34 07	16 06'	0'7189	0'3556	0'8021
24	π	- $\frac{1}{4}$	114	18 41'	25 08'	8 33	23 58	7 49'	23 44	0'1503	0'4445	0'4602
25	x	- $\frac{1}{2}$	112	10 32'	42 07'	9 23'	41 38'	7 03	41 15	0'1654	0'8890	0'9043
26	n	-1	111	24 09	62 50	38 34	60 39	21 21	54 16'	0'7972	1'7780	1'9485
27	q	-2	221	30 06	76 19'	64 07	74 17'	29 19'	57 13	2'0609	3'5560	4'1101
28	w	+21	211	59 17'	73 58'	71 31'	60 39	55 43'	29 24	2'9931	1'7780	3'4815
29	M	-21	211	49 13	69 49'	64 07	"	45 17'	37 49	2'0609	"	2'7219
30	η	- $\frac{1}{4}\frac{1}{2}$	124	9 36	42 02'	8 33	41 38	6 25	41 19	0'1503	0'8890	0'9016

Osmiridium.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 1'4105 \quad \lg c = 014937 \quad \lg a_0 = 008919 \quad \lg p_0 = 997328 \quad a_0 = 1'2280 \quad p_0 = 0'9403 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	g	∞ 0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	h	∞	1120	30 00	"	90 00	"	30 00	60 00	0'5773	"	"
4	r	20	2021	0 00	62 00	0 00	62 00	0 00	62 00	0	1'8806	1'8806
5	d e	± 1	1121	30 00	58 27	39 09'	54 40	25 13	67 33'	0'8143	1'4105	1'6287

Pachnolith.

Monoklin.

a = 1'1634	lg a = 006573	lg a ₀ = 988041	lg p ₀ = 011958	a ₀ = 0'7593	p ₀ = 1'3170
c = 1'5322	lg c = 018531	lg b ₀ = 981469	lg q ₀ = 018530	b ₀ = 0'6527	q ₀ = 1'5321
$\mu = \frac{1}{180 - \beta} \left. \begin{array}{l} 89^{\circ}42' \\ \end{array} \right\}$	$\lg h = \frac{1}{\lg \sin \mu} \left. \begin{array}{l} 999999 \\ \end{array} \right\}$	$\lg e = \frac{1}{\lg \cos \mu} \left. \begin{array}{l} 771900 \\ \end{array} \right\}$	$\lg \frac{p_0}{q_0} = 993424$	h = 1	e = 0'0052

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x'}{(Prismen)} (x:y)$	y'	$d' = \lg e$
1	c	0	001	90°00	0°18	0°18	0°00	0°18	0°00	0'0052	0	0'0052
2	m	∞	110	40 41	90 00	90 00	90 00	40 41	49 19	0'8595	∞	∞
3	p	+1	111	48 39	60 25	52 54	49 19	40 45	35 03	1'3222	1'1634	1'7612
4	f	+31	311	73 37	76 22	75 49	"	68 48	15 55	3'9562	"	4'1238
5	r	-1	111	48 26	60 18	52 41	"	40 32	35 12	1'3118	"	1'7534
6	x	+5	551	48 34	83 30	81 22	80 15	48 09	41 06	6'5903	5'8170	8'7904
7	v	+3	331	48 35	79 16	75 49	74 01	47 27	40 32	3'9562	3'4901	5'2759
8	q	+2	221	48 36	74 08	69 15	66 44	46 11	39 30	2'6392	2'3258	3'5184
9	t	+ $\frac{3}{2}$	553	48 37	71 10	65 33	62 43	45 14	38 44	2'2002	1'9390	2'9327
10	s	+ $\frac{1}{2}$	554	48 38	65 33	58 48	55 29	43 06	36 39	1'6515	1'4542	2'2005

Palladium.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{(Prismen)} (x:y)$	y	$d = \lg e$
1	c	$\left. \begin{array}{l} 0 \\ 0\infty \end{array} \right\}$	$\left. \begin{array}{l} 001 \\ 010 \end{array} \right\}$	$\left. \begin{array}{l} - \\ 0^{\circ}00 \end{array} \right\}$	$\left. \begin{array}{l} 0^{\circ}00 \\ 90 00 \end{array} \right\}$	$\left. \begin{array}{l} 0^{\circ}00 \\ " \end{array} \right\}$	$\left. \begin{array}{l} 0^{\circ}00 \\ 90 00 \end{array} \right\}$	$\left. \begin{array}{l} 0^{\circ}00 \\ " \end{array} \right\}$	$\left. \begin{array}{l} 0^{\circ}00 \\ 90 00 \end{array} \right\}$	$\left. \begin{array}{l} 0 \\ " \end{array} \right\}$	$\left. \begin{array}{l} 0 \\ \infty \end{array} \right\}$	$\left. \begin{array}{l} 0 \\ \infty \end{array} \right\}$
2	p	1	111	45 00	54 44	45 00	45 00	35 16	35 16	1'0000	1'0000	1'4142

Parisit.

Hexagonal-holoedrisch.

c = 1'6822	lg c = 022588	lg a ₀ = 001268	lg p ₀ = 004979	a ₀ = 1'0296	p ₀ = 1'1214	(G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{(Prismen)} (x:y)$	y	$d = \lg e$
1	c	0	0001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	b	∞	1120	30°00	90 00	90 00	90 00	30 00	60 00	0'5773	∞	∞
3	e	$\frac{2}{3}0$	3034	0 00	40 04	0 00	40 04	0 00	40 04	0	0'8411	0'8411
4	x	10	1011	"	48 16	"	48 16	"	48 16	"	1'1215	1'1215
5	a	$\frac{2}{3}0$	3032	"	59 16	"	59 16	"	59 16	"	1'6822	1'6822

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
6	y	20	2021	0°00	65°58	0°00	65°58	0°00	65°58	0	2'2430	2'2430
7	z	30	3031	"	73 27	"	73 27	"	73 27	"	3'3644	3'3644
8	π	40	4041	"	77 26	"	77 26	"	77 26	"	4'4859	4'4859
9	f	60	6061	"	81 33	"	81 33	"	81 33	"	6'7288	6'7288
10	s	1	1121	30 00	62 45	44 10	59 16	26 23	50 21	0'9712	1'6822	1'0425
11	e	$\frac{1}{3}$	4483	"	68 53	52 19	65 58	27 48	53 53	1'2950	2'2430	2'5900
12	d	2	2241	"	75 34	62 45	73 27	28 57	57 00	1'9424	3'3644	3'8840
13	p	4	4481	"	82 40	75 34	81 33	29 44	59 12	3'8849	6'7288	7'7698
14	$\frac{2}{3}$	51	5161	8 57	80 54	44 10	80 47	8 50	77 15	0'9712	6'1681	6'2441

Partschin.

Monoklin.

a = 1'2239	lg a = 008774	lg a ₀ = 019000	lg p ₀ = 981000	a ₀ = 1'5488	p ₀ = 0'6457
c = 0'7902	lg c = 989774	lg b ₀ = 010226	lg q ₀ = 979584	b ₀ = 1'2655	q ₀ = 0'6249
$\mu = \frac{1}{180-\beta} 52^\circ 16'$	lg h = 089810	lg e = 978674	lg p ₀ = 001416	h = 0'7909	e = 0'6120

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90°00	37°44	37°44	0°00	37°44	0°00	0'7738	0	0'7738
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	45 56	"	"	90 00	45 56	44 04	1'0331	∞	"
5	e	01	011	44 24	47 53	37 44	38 19	31 16	32 00	0'7738	0'7902	1'1000
6	p	-1	111	3 05	38 21	2 26	"	1 55	38 17	0'0426	"	0'7914

Patrinit.

Rhombohed.

$$\lg p_0 = 001238; \quad p_0 = 1'0289; \quad \frac{a}{b} = 0'9719$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	b	0 ∞	010	0°00	90°00	0°00	90°00	0°00	90°00	0	∞	∞
2	e	2 ∞	210	64 05	"	90 00	"	64 05	25 55	2'0578	"	"
3	m	∞	110	45 49	"	"	"	45 49	44 11	1'0289	"	"
4	f	$\infty 2$	120	27 13	"	"	"	27 13	62 46	0'5144	"	"
5	i	$\infty 3$	130	18 56	"	"	"	18 56	71 04	0'3430	"	"

Pearcit.

Monoklin.

$a = 1.7309$	$\lg a = 0.23827$	$\lg a_0 = 0.02878$	$\lg p_0 = 9.97122$	$a_0 = 1.0685$	$p_0 = 0.9359$
$c = 1.6199$	$\lg c = 0.20949$	$\lg b_0 = 9.79051$	$\lg q_0 = 0.20949$	$b_0 = 0.6173$	$q_0 = 1.6199$
$\mu = \frac{1}{180} \beta \} 89^\circ 51'$	$\lg h = \frac{1}{\lg \sin \mu} \} 0$	$\lg e = \frac{1}{\lg \cos \mu} \} 7.41797$	$\lg \frac{p_0}{q_0} = 9.76173$	$h = 1.0000$	$e = 0.0026$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	c	0	001	90° 00	0° 09	0° 09	0° 00	0° 09	0° 00	0.0026	0	0.0026
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	0 00	90 00	0 00	90 00	0 00	∞	0	"
4	l	3∞	310	60 01	90 00	"	90 00	60 01	29 59	1.7332	∞	"
5	m	∞	110	30 01	"	"	"	30 01	59 59	0.5777	"	"
6	h	∞3	130	10 54	"	"	"	10 54	79 06	0.1926	"	"
7	k	02	021	0 03	72 51	0 09	72 51	0 02	72 51	0.0026	3.2398	3.2398
8	Δ	-30	203	90 00	31 51	31 51	0 00	31 51	0 00	0.6213	0	0.6213
9	d	+20	102	90 00	25 12	25 12	"	25 12	"	0.4705	"	0.4705
10	n	+10	101	"	43 11	43 11	"	43 11	"	0.9385	"	0.9385
11	n'	-10	101	90 00	43 01	43 01	"	43 01	"	0.9333	"	0.9333
12	t	+20	201	90 00	61 55	61 55	"	61 55	"	1.8744	"	1.8744
13	t'	-20	201	90 00	61 51	61 51	"	61 51	"	1.8692	"	1.8692
14	e	+40	401	90 00	75 03	75 03	"	75 03	"	3.7462	"	3.7462
15	e'	-40	401	90 00	75 02	75 02	"	75 02	"	3.7410	"	3.7410
16	f	+60	601	90 00	79 54	79 54	"	79 54	"	5.6180	"	5.6180
17	f'	-60	601	90 00	79 54	79 54	"	79 54	"	5.6128	"	5.6128
18	o	+1/4	114	30 17	25 07	13 18	22 03	12 22	21 30	0.2366	0.4050	0.4690
19	o'	-1/4	114	29 44	25 00	13 01	"	12 06	21 32	0.2314	"	0.4664
20	q	-1/3	113	29 49	31 53	17 11	28 22	15 14	27 17	0.3094	0.5400	0.6223
21	r	+1/2	112	30 09	43 07	25 12	39 00	20 05	36 14	0.4705	0.8100	0.9367
22	r.	-1/2	112	29 53	43 03	24 57	"	19 53	36 17	0.4653	"	0.9341
23	p	+1	111	30 05	61 53	43 11	58 19	26 14	49 45	0.9385	1.6200	1.8721
24	p'	-1	111	29 57	61 51	43 01	"	26 07	49 49	0.9333	"	1.8695
25	v	+3/2	332	30 04	70 23	54 35	67 38	28 09	54 37	1.4064	2.4300	2.8075
26	v'	-3/2	332	29 58	70 22	54 29	"	28 04	54 41	1.4012	"	2.8050
27	s	+2	221	30 03	75 02	61 55	72 51	28 56	56 45	1.8744	3.2400	3.7429
28	s'	-2	221	29 59	75 02	61 51	"	28 52	56 48	1.8692	"	3.7404
29	u	+3	331	30 02	79 54	70 25	78 22	29 31	58 27	2.8103	4.8600	5.6137
30	u'	-3	331	29 59	"	70 23	"	29 29	58 30	2.8051	"	5.6111
31	x	+31	311	60 02	72 52	70 25	58 18	55 53	28 30	2.8103	1.6200	3.2438
32	y	+1 1/3	313	60 05	47 16	43 11	28 22	39 33	21 29	0.9385	0.5400	1.0827
33	z	+1 1/2	3112	60 17	15 14	13 18	7 41	13 11	7 29	0.2366	0.1350	0.2724

Penfieldit.

Hexagonal. Holoeidrisch.

$c = 1.3450$	$lg c = 0.12872$	$lg a_0 = 0.10984$	$lg p_0 = 995263$	$a_0 = 1.2878$	$p_0 = 0.8967$	(G_1)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $tg \varrho$
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	∞	1120	30° 00	90 00	90 00	90 00	30 00	60 00	0.5773	∞	∞
3	x	10	1011	0 00	41 53	0 00	41 53	0 00	41 53	0	0.8966	0.8966

Pentlandit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $tg \varrho$
1	p	1	111	45° 00	54° 44	45° 00	45° 00	35° 16	35° 16	1.0000	1.0000	1.4142

Percylith.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $tg \varrho$
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} — \\ 0° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	e	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{array} \right.$	$\left\{ \begin{array}{l} 012 \\ 021 \\ 120 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 26 34 \end{array} \right.$	$\left\{ \begin{array}{l} 26 34 \\ 63 26 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 26 34 \\ 63 26 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 26 34 \end{array} \right.$	$\left\{ \begin{array}{l} 26 34 \\ 63 26 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 0.5000 \end{array} \right.$	$\left\{ \begin{array}{l} 0.5000 \\ 2.0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0.5000 \\ 2.0000 \\ \infty \end{array} \right.$
3	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 011 \\ 110 \end{array} \right.$	$\left\{ \begin{array}{l} 0 00 \\ 45 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0 00 \\ 45 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ 1.0000 \end{array} \right.$	$\left\{ \begin{array}{l} 1.0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 1.0000 \\ \infty \end{array} \right.$
4	p	1	111	"	54 44	45 00	45 00	35 16	35 16	"	1.0000	1.4142

Periklas.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $tg \varrho$
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} — \\ 0° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	p	1	111	45 00	54 44	45 00	45 00	35 16	35 16	1.0000	1.0000	1.4142

Perowskit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\begin{array}{l} 001 \\ 010 \end{array}$	$\begin{array}{l} — \\ 0^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0 \\ " \end{array}$	$\begin{array}{l} 0 \\ \infty \end{array}$	$\begin{array}{l} 0 \\ \infty \end{array}$
2	g	$\left\{ \begin{array}{l} 0\frac{2}{3} \\ 0\frac{2}{3} \\ \infty\frac{2}{3} \end{array} \right.$	$\begin{array}{l} 025 \\ 052 \\ 250 \end{array}$	$\begin{array}{l} " \\ " \\ 21^\circ 48' \end{array}$	$\begin{array}{l} 21^\circ 48' \\ 68^\circ 12' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} " \\ " \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 21^\circ 48' \\ 68^\circ 12' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} " \\ " \\ 21^\circ 48' \end{array}$	$\begin{array}{l} 21^\circ 48' \\ 68^\circ 12' \\ " \end{array}$	$\begin{array}{l} " \\ " \\ 0^\circ 40'00'' \end{array}$	$\begin{array}{l} 0^\circ 40'00'' \\ 2^\circ 50'00'' \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 40'00'' \\ 2^\circ 50'00'' \\ \infty \end{array}$
3	e	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{array} \right.$	$\begin{array}{l} 012 \\ 021 \\ 120 \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 26^\circ 34' \end{array}$	$\begin{array}{l} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 26^\circ 34' \end{array}$	$\begin{array}{l} 26^\circ 34' \\ 63^\circ 26' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 50'00'' \end{array}$	$\begin{array}{l} 0^\circ 50'00'' \\ 2^\circ 00'00'' \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 50'00'' \\ 2^\circ 00'00'' \\ \infty \end{array}$
4	b	$\left\{ \begin{array}{l} 0\frac{2}{3} \\ 0\frac{2}{3} \\ \infty\frac{2}{3} \end{array} \right.$	$\begin{array}{l} 023 \\ 032 \\ 230 \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 33^\circ 41' \end{array}$	$\begin{array}{l} 33^\circ 41' \\ 56^\circ 18' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 33^\circ 41' \\ 56^\circ 18' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 33^\circ 41' \end{array}$	$\begin{array}{l} 33^\circ 41' \\ 56^\circ 18' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 66'67'' \end{array}$	$\begin{array}{l} 0^\circ 66'67'' \\ 1^\circ 50'00'' \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 66'67'' \\ 1^\circ 50'00'' \\ \infty \end{array}$
5	Δ	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 0\frac{1}{2} \\ \infty\frac{1}{2} \end{array} \right.$	$\begin{array}{l} 0^\circ 11' \\ 0^\circ 11'8'' \\ 8^\circ 11'0'' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 36^\circ 01' \end{array}$	$\begin{array}{l} 36^\circ 01' \\ 53^\circ 58' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 36^\circ 01' \\ 53^\circ 58' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 36^\circ 01' \end{array}$	$\begin{array}{l} 36^\circ 01' \\ 53^\circ 58' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 72'73'' \end{array}$	$\begin{array}{l} 0^\circ 72'73'' \\ 1^\circ 37'50'' \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 72'73'' \\ 1^\circ 37'50'' \\ \infty \end{array}$
6	i	$\left\{ \begin{array}{l} 0\frac{2}{3} \\ 0\frac{2}{3} \\ \infty\frac{2}{3} \end{array} \right.$	$\begin{array}{l} 034 \\ 043 \\ 340 \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 36^\circ 52' \end{array}$	$\begin{array}{l} 36^\circ 52' \\ 53^\circ 08' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 36^\circ 52' \\ 53^\circ 08' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 36^\circ 52' \end{array}$	$\begin{array}{l} 36^\circ 52' \\ 53^\circ 08' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 75'00'' \end{array}$	$\begin{array}{l} 0^\circ 75'00'' \\ 1^\circ 33'33'' \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 75'00'' \\ 1^\circ 33'33'' \\ \infty \end{array}$
7	δ	$\left\{ \begin{array}{l} 0\frac{4}{3} \\ 0\frac{4}{3} \\ \infty\frac{4}{3} \end{array} \right.$	$\begin{array}{l} 045 \\ 054 \\ 450 \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 38^\circ 39' \end{array}$	$\begin{array}{l} 38^\circ 39' \\ 51^\circ 20' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 38^\circ 39' \\ 51^\circ 20' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \\ 38^\circ 39' \end{array}$	$\begin{array}{l} 38^\circ 39' \\ 51^\circ 20' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 80'00'' \end{array}$	$\begin{array}{l} 0^\circ 80'00'' \\ 1^\circ 25'00'' \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 80'00'' \\ 1^\circ 25'00'' \\ \infty \end{array}$
8	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	$\begin{array}{l} 011 \\ 110 \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 45^\circ 00' \\ " \end{array}$	$\begin{array}{l} 0 \\ 1^\circ 00'00'' \end{array}$	$\begin{array}{l} 1^\circ 00'00'' \\ \infty \end{array}$	$\begin{array}{l} 1^\circ 00'00'' \\ \infty \end{array}$
9	m	$\left\{ \begin{array}{l} \frac{1}{3} \\ 13 \end{array} \right.$	$\begin{array}{l} 113 \\ 131 \end{array}$	$\begin{array}{l} " \\ 18^\circ 26' \end{array}$	$\begin{array}{l} 25^\circ 14' \\ 72^\circ 27' \end{array}$	$\begin{array}{l} 18^\circ 26' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 18^\circ 26' \\ 71^\circ 34' \end{array}$	$\begin{array}{l} 17^\circ 33' \\ " \end{array}$	$\begin{array}{l} 17^\circ 33' \\ 64^\circ 45' \end{array}$	$\begin{array}{l} 0^\circ 33'33'' \\ 1^\circ 00'00'' \end{array}$	$\begin{array}{l} 0^\circ 33'33'' \\ 3^\circ 00'00'' \end{array}$	$\begin{array}{l} 0^\circ 47'14'' \\ 3^\circ 16'23'' \end{array}$
10	e	$\left\{ \begin{array}{l} \frac{4}{3} \\ 1\frac{2}{3} \end{array} \right.$	$\begin{array}{l} 449 \\ 494 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 23^\circ 58' \end{array}$	$\begin{array}{l} 32^\circ 09' \\ 67^\circ 54' \end{array}$	$\begin{array}{l} 23^\circ 58' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 23^\circ 58' \\ 66^\circ 02' \end{array}$	$\begin{array}{l} 22^\circ 06' \\ " \end{array}$	$\begin{array}{l} 22^\circ 06' \\ 57^\circ 51' \end{array}$	$\begin{array}{l} 0^\circ 44'44'' \\ 1^\circ 00'00'' \end{array}$	$\begin{array}{l} 0^\circ 44'44'' \\ 2^\circ 25'00'' \end{array}$	$\begin{array}{l} 0^\circ 62'85'' \\ 2^\circ 46'22'' \end{array}$
11	q	$\left\{ \begin{array}{l} \frac{1}{2} \\ 12 \end{array} \right.$	$\begin{array}{l} 112 \\ 121 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 26^\circ 34' \end{array}$	$\begin{array}{l} 35^\circ 16' \\ 65^\circ 54' \end{array}$	$\begin{array}{l} 26^\circ 34' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 26^\circ 34' \\ 63^\circ 26' \end{array}$	$\begin{array}{l} 24^\circ 05' \\ " \end{array}$	$\begin{array}{l} 24^\circ 05' \\ 54^\circ 44' \end{array}$	$\begin{array}{l} 0^\circ 50'00'' \\ 1^\circ 00'00'' \end{array}$	$\begin{array}{l} 0^\circ 50'00'' \\ 2^\circ 00'00'' \end{array}$	$\begin{array}{l} 0^\circ 70'71'' \\ 2^\circ 23'60'' \end{array}$
12	n	$\left\{ \begin{array}{l} \frac{2}{3} \\ 1\frac{2}{3} \end{array} \right.$	$\begin{array}{l} 223 \\ 232 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 33^\circ 41' \end{array}$	$\begin{array}{l} 43^\circ 19' \\ 60^\circ 59' \end{array}$	$\begin{array}{l} 33^\circ 41' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 33^\circ 41' \\ 56^\circ 18' \end{array}$	$\begin{array}{l} 29^\circ 01' \\ " \end{array}$	$\begin{array}{l} 29^\circ 01' \\ 46^\circ 41' \end{array}$	$\begin{array}{l} 0^\circ 66'67'' \\ 1^\circ 00'00'' \end{array}$	$\begin{array}{l} 0^\circ 66'67'' \\ 1^\circ 50'00'' \end{array}$	$\begin{array}{l} 0^\circ 94'28'' \\ 1^\circ 80'28'' \end{array}$
13	p	I	111	45° 00'	54° 44'	"	45° 00'	35° 16'	35° 16'	"	1° 00'00''	1° 41'42''
14	u	$\left\{ \begin{array}{l} \frac{1}{2}1 \\ 2 \end{array} \right.$	$\begin{array}{l} 122 \\ 221 \end{array}$	$\begin{array}{l} 26^\circ 34' \\ 45^\circ 00' \end{array}$	$\begin{array}{l} 48^\circ 11' \\ 70^\circ 31' \end{array}$	$\begin{array}{l} 26^\circ 34' \\ 63^\circ 26' \end{array}$	$\begin{array}{l} " \\ 63^\circ 26' \end{array}$	$\begin{array}{l} 19^\circ 28' \\ 41^\circ 48' \end{array}$	$\begin{array}{l} 41^\circ 48' \\ " \end{array}$	$\begin{array}{l} 0^\circ 50'00'' \\ 2^\circ 00'00'' \end{array}$	$\begin{array}{l} " \\ 2^\circ 00'00'' \end{array}$	$\begin{array}{l} 1^\circ 11'80'' \\ 2^\circ 82'84'' \end{array}$
15	F	$\left\{ \begin{array}{l} \frac{1}{2}\frac{2}{3} \\ \frac{2}{3} \\ \frac{4}{3}2 \end{array} \right.$	$\begin{array}{l} 346 \\ 364 \\ 463 \end{array}$	$\begin{array}{l} 36^\circ 52' \\ 26^\circ 34' \\ 33^\circ 14' \end{array}$	$\begin{array}{l} 39^\circ 48' \\ 59^\circ 11' \\ 67^\circ 24' \end{array}$	$\begin{array}{l} 26^\circ 34' \\ 36^\circ 52' \\ 53^\circ 08' \end{array}$	$\begin{array}{l} 33^\circ 41' \\ 56^\circ 18' \\ 63^\circ 26' \end{array}$	$\begin{array}{l} 22^\circ 35' \\ " \\ 30^\circ 48' \end{array}$	$\begin{array}{l} 30^\circ 48' \\ 50^\circ 11' \\ " \end{array}$	$\begin{array}{l} 0^\circ 50'00'' \\ 0^\circ 75'00'' \\ 1^\circ 33'33'' \end{array}$	$\begin{array}{l} 0^\circ 66'67'' \\ 1^\circ 50'00'' \\ 2^\circ 00'00'' \end{array}$	$\begin{array}{l} 0^\circ 83'33'' \\ 1^\circ 67'70'' \\ 2^\circ 40'37'' \end{array}$

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
16	y	$\begin{Bmatrix} 1 & 3 \\ 2 & 4 \\ 3 & 5 \end{Bmatrix}$	234	33° 41'	42° 02'	26° 34'	36° 52'	21° 48'	33° 51'	0.5000	0.7500	0.9014
		$\begin{Bmatrix} 2 & 3 \\ 3 & 4 \end{Bmatrix}$	243	26 34	56 08	33 41	53 08	"	47 58	0.6667	1.3333	1.4907
		$\begin{Bmatrix} 3 & 2 \\ 2 & 1 \end{Bmatrix}$	342	36 52	68 12	56 18	63 26	33 51	"	1.5000	2.0000	2.5000
17	F	$\begin{Bmatrix} 1 & 3 \\ 2 & 4 \\ 3 & 5 \end{Bmatrix}$	238	33 41'	24 15'	14 02	20 33'	13 10'	19 59'	0.2500	0.3750	0.4507
		$\begin{Bmatrix} 2 & 3 \\ 3 & 4 \end{Bmatrix}$	283	14 02	70 00	33 41	69 26'	"	65 44'	0.6667	2.6667	2.7487
		$\begin{Bmatrix} 3 & 2 \\ 2 & 1 \end{Bmatrix}$	382	20 33'	76 49'	56 18	75 58	19 59'	"	1.5000	4.0000	4.2720
18	H	$\begin{Bmatrix} 2 & 4 \\ 3 & 5 \\ 4 & 6 \end{Bmatrix}$	249	26 34	26 25'	12 31'	23 58	11 29	23 27'	0.2222	0.4444	0.4964
		$\begin{Bmatrix} 3 & 4 \\ 4 & 5 \end{Bmatrix}$	294	12 31'	66 32'	26 34	66 02	"	63 34'	0.5000	2.5000	2.3044
		$\begin{Bmatrix} 4 & 3 \\ 3 & 2 \end{Bmatrix}$	492	23 58	78 31'	63 26	77 28	23 27'	"	2.0000	4.5000	4.9243
19	θ	$\begin{Bmatrix} 3 & 2 \\ 2 & 1 \\ 1 & 0 \end{Bmatrix}$	3'4'10"	36 52	26 34	16 42	21 48	15 34	20 58	0.3000	0.4000	0.5000
		$\begin{Bmatrix} 2 & 1 \\ 1 & 0 \\ 0 & 1 \end{Bmatrix}$	3'10'4"	16 42	69 02	36 52	68 12	"	63 26	0.7500	2.5000	2.6100
		$\begin{Bmatrix} 1 & 0 \\ 0 & 1 \\ 0 & 0 \end{Bmatrix}$	4'10'3"	21 48	74 26	53 08	73 18	20 58	"	1.3333	3.3333	3.5901

Petalit.

Monoklin.

a = 1.1534	lga = 0.06198	lga ₀ = 9.88961	lg p ₀ = 0.11039	a ₀ = 0.7755	p ₀ = 1.2894
c = 1.4872	lg c = 0.17237	lgb ₀ = 9.82763	lg q ₀ = 0.13819	b ₀ = 0.6724	q ₀ = 1.3746
$\mu = \frac{1}{180 - \beta} \left\{ \begin{matrix} 67.34 \\ 99.6582 \end{matrix} \right.$	lgh =	lge =	$\lg \frac{p_0}{q_0} = 9.97220$	h = 0.9243	e = 0.3816

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00'	22° 26'	22° 26'	0° 00'	22° 26'	0° 00'	0.4128	0	0.4128
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	43 10	"	"	90 00	43 10	46 50	0.9380	∞	"
5	n	∞2	120	25 07	"	"	"	25 07	64 52	0.4690	"	"
6	e	01	011	15 31	57 03	22 26	56 05	12 58	53 58	0.4128	1.4872	1.5434
7	y	+10	101	90 00	61 03	61 03	0 00	61 03	0 00	1.8078	0	1.8078
8	q	+30	203	"	53 19	53 19	"	53 19	"	1.3428	"	1.3428
9	p	+120	102	"	47 59	47 59	"	47 59	"	1.1103	"	1.1103
10	?z	-10	9'0'10"	90 00	40 07	40 07	"	40 07	"	0.8426	"	0.8426
11	x	-20	301	"	67 11	67 11	"	67 11	"	2.3771	"	2.3771
12	f	-12	121	18 16	72 17	44 29	71 25	17 23	64 46	0.9821	2.9744	3.1323

Pharmakolith.

Monoklin.

$a = 0.6137$	$\lg a = 978796$	$\lg a_0 = 022901$	$\lg p_0 = 977099$	$a_0 = 1.6944$	$p_0 = 0.5902$
$c = 0.3622$	$\lg c = 955895$	$\lg b_0 = 044105$	$\lg q_0 = 955590$	$b_0 = 2.7609$	$q_0 = 0.3597$
$\mu = \left\{ \begin{array}{l} 180 \\ \beta \end{array} \right\} 83^\circ 13'$	$\lg h = \left\{ \begin{array}{l} 999695 \\ \lg \sin \mu \end{array} \right\}$	$\lg e = \left\{ \begin{array}{l} 907231 \\ \lg \cos \mu \end{array} \right\}$	$\lg \frac{p_0}{q_0} = 021509$	$h = 0.9930$	$e = 0.1181$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\operatorname{tg} \varrho$
1	c	0	001	90° 00'	6° 47'	6° 47'	0° 00'	6° 47'	0° 00'	0.1189	0	0.1189
2	b	0∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
3	s	3∞	310	78° 31'	"	90° 00'	"	78° 31'	11° 29'	4.9228	"	"
4	m	∞	110	58° 38'	"	"	"	58° 38'	31° 21'	1.6409	"	"
5	n	01	011	18° 11'	20° 52'	6° 47'	19° 55'	6° 23'	19° 47'	0.1189	0.3622	0.3812
6	π	-1	111	52° 42'	30° 52'	25° 25'	19° 54'	24° 05'	18° 07'	0.4754	"	0.5977
7	d	+3	331	60° 15'	65° 27'	62° 16'	47° 22'	52° 10'	26° 49'	1.9020	1.0865	2.1905
8	x	-32	321	66° 28'	61° 09'	59° 00'	35° 55'	53° 25'	20° 27'	1.6641	0.7244	1.8149

Pharmakosiderit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\operatorname{tg} \varrho$
1	c	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right\}$	001 010	— 0° 00'	0° 00' 90° 00'	0° 00' "	0° 00' 90° 00'	0° 00' "	0° 00' 90° 00'	0 "	0 ∞	0 ∞
2	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right\}$	011 110	" 45° 00'	45° 00' 90° 00'	" 90° 00'	45° 00' 90° 00'	" 45° 00'	45° 00' "	" 1.0000	1.0000 ∞	1.0000 ∞
3	p	1	111	"	54° 44'	45° 00'	45° 00'	35° 16'	35° 16'	"	1.0000	1.4142
4	u	$\left\{ \begin{array}{l} \frac{1}{2}1 \\ 2 \end{array} \right\}$	122 221	26° 34' 45° 00'	48° 11' 70° 31'	26° 34' 63° 26'	" 63° 26'	19° 28' 41° 48'	41° 48' "	0.5000 2.0000	" 2.0000	1.1180 2.8284

Phenakit.

Hexagonal. Rhomboedrisch-tetartoeidrisch.

$$c = 0.6611 \quad \lg c = 982027 \quad \lg a_0 = 041829 \quad \lg p_0 = 964418 \quad a_0 = 2.6200 \quad p_0 = 0.4407 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	a	$\infty 0$	1010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
3	η	2 ∞	2130	19 06'	"	"	"	19 06'	70 53'	0.3464	"	"
4	π	10	1011	0 00	23 47	0 00	23 47	0 00	23 47	0	0.4407	0.4407
5	λ	20	2021	"	41 23'	"	41 23'	"	41 23'	"	0.8815	0.8815
6	δ	$-\frac{1}{2}$	1122	30 00	20 53'	10 48'	18 17'	10 16'	17 59'	0.1908	0.3305	0.3817
7	p' π	$+\frac{1}{2}$	1121	"	37 21'	20 53'	33 28'	17 39'	31 42'	0.3917	0.6611	0.7634
8	φ	-2	2241	"	56 46'	37 21'	52 54'	24 43'	46 25'	0.7634	1.3222	1.5268
9	t:	$+\frac{1}{2}$	4134	10 53'	26 47'	5 27'	26 22'	4 53'	26 16'	0.0954	0.4958	0.5049
10	H:	$+\frac{3}{2}$	5272	16 06	54 00	20 53'	52 54'	12 58'	51 00'	0.3817	1.3222	1.3762
11	K:	$+\frac{1}{2}$	4131	10 53'	63 39'	"	63 14'	9 45'	61 39'	"	1.9833	2.0197
12	P:	$+\frac{1}{2}$	7181	6 35	73 16'	"	73 10'	6 18'	72 03'	"	3.3055	3.3275
13	e:	$-\frac{1}{2}$	4152	10 53'	45 17'	10 48'	44 45'	7 43'	44 15'	0.1908	0.9916	1.0090
14	p:	-52	5271	16 06	70 02	37 21'	69 17'	15 06'	64 33'	0.7634	2.6444	2.7524
15	f:	$-\frac{1}{2}$	3132	19 06'	30 14'	10 48'	28 51'	9 29'	28 25'	0.1908	0.5509	0.5830
16	t:	$-\frac{3}{2}$	5274	16 06	34 32	"	33 28'	9 03'	33 00'	"	0.6611	0.6881

Phillipsit.

Monoklin.

$$\begin{array}{l}
 a = 0.7035 \quad \lg a = 984726 \quad \lg a_0 = 976775 \quad \lg p_0 = 023225 \quad a_0 = 0.5858 \quad p_0 = 1.7071 \\
 c = 1.2289 \quad \lg c = 008951 \quad \lg b_0 = 991049 \quad \lg q_0 = 000559 \quad b_0 = 0.8137 \quad q_0 = 1.0130 \\
 \mu = \left. \begin{array}{l} 180 \\ -\beta \end{array} \right\} 55^\circ 31' \quad \lg h = \left. \begin{array}{l} 991608 \\ \lg \sin \mu \end{array} \right\} \quad \lg e = \left. \begin{array}{l} 975294 \\ \lg \cos \mu \end{array} \right\} \quad \lg p_0 = 022666 \quad h = 0.8242 \quad e = 0.5662
 \end{array}$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
1	a	0	001	90° 00	34° 29	34° 29	0° 00	34° 29	0° 00	0.6868	0	0.6868
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	s	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	p	∞	110	59 19	"	"	90 00	59 19	30 41	1.6852	∞	"
5	q	$\infty 2$	120	40 07	"	"	"	40 07	49 53	0.8426	"	"
6	e	01	011	29 12	54 37	34 29	50 52	23 26	45 22	0.6868	1.2289	1.4078
7	d	$+\frac{1}{2}$	501	90 00	84 49'	84 49'	0 00	84 49'	0 00	11.042	0	11.042
8	f	-10	101	90 00	54 09	54 09	"	54 09	"	1.3841	"	1.3841

Phosgenit.

Tetragonal. Trapezeedrisch-hemiedrisch.

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 1.0889 \quad \lg c = 0.03700 \quad \lg a_o = 9.96300 \quad a_o = 0.9183$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x (Prismen) (x : y)	y	d = tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	m	∞	110	45° 00	"	90° 00	"	45° 00	45° 00	1.0000	"	"
4	l	$\infty \frac{2}{3}$	230	33° 41'	"	"	"	33° 41'	56° 18'	0.6667	"	"
5	k	$\infty \frac{3}{2}$	580	32° 00'	"	"	"	32° 00'	57° 59'	0.6250	"	"
6	u	∞2	120	26° 34'	"	"	"	26° 34'	63° 26'	0.5000	"	"
7	L	∞3	130	18° 26'	"	"	"	18° 26'	71° 34'	0.3333	"	"
8	θ	∞5	150	11° 18'	"	"	"	11° 18'	78° 41'	0.2000	"	"
9	d	0 $\frac{1}{2}$	013	0° 00	19° 57'	0° 00	19° 57'	0° 00	19° 57'	0	0.3629	0.3629
10	f	0 $\frac{2}{3}$	023	"	35° 58'	"	35° 58'	"	35° 58'	"	0.7259	0.7259
11	e	01	011	"	47° 26'	"	47° 26'	"	47° 26'	"	1.0889	1.0889
12	o	02	021	"	65° 20'	"	65° 20'	"	65° 20'	"	2.1778	2.1778
13	z	$\frac{1}{2}$	116	45° 00	14° 23'	10° 17'	10° 17'	10° 07'	10° 07'	0.1815	0.1815	0.2567
14	β	$\frac{1}{4}$	114	"	21° 03'	15° 13'	15° 13'	14° 43'	14° 43'	0.2722	0.2722	0.3850
15	y	$\frac{1}{3}$	113	"	27° 10'	19° 57'	19° 57'	18° 50'	18° 50'	0.3630	0.3630	0.5133
16	x	$\frac{1}{1}$	111	"	57° 00'	47° 26'	47° 26'	36° 22'	36° 22'	1.0889	1.0889	1.5399
17	r	$\frac{2}{3}$	332	"	66° 35'	58° 31'	58° 31'	40° 27'	40° 27'	1.6334	1.6334	2.3099
18	w	2	221	"	72° 00'	65° 20'	65° 20'	42° 16'	42° 16'	2.1778	2.1778	3.0799
19	t	$\frac{5}{2}$	552	"	75° 26'	69° 50'	69° 50'	43° 11'	43° 11'	2.7223	2.7223	3.8499
20	n	8	881	"	85° 21'	83° 27'	83° 27'	44° 49'	44° 49'	8.7114	8.7114	12.3197
21	γ	$\frac{2}{3}$	129	26° 34'	15° 08'	6° 54'	13° 36'	6° 42'	13° 30'	0.1211	0.2419	0.2705
22	δ	$\frac{7}{4}$	127	"	19° 11'	8° 50'	17° 17'	8° 27'	17° 05'	0.1555	0.3111	0.3478
23	α	$\frac{4}{3}$	125	"	25° 58'	12° 17'	23° 32'	11° 17'	23° 03'	0.2177	0.4355	0.4870
24	ε	$\frac{1}{2}$	122	"	50° 36'	28° 34'	47° 26'	20° 13'	43° 43'	0.5444	1.0889	1.2174
25	s	$\frac{1}{2}$	121	"	67° 40'	47° 26'	65° 20'	24° 26'	55° 41'	1.0889	2.1776	2.4349
26	p	$\frac{3}{2}$	362	"	74° 41'	58° 31'	72° 59'	25° 33'	59° 37'	1.6334	3.2668	3.6523
27	ζ	24	241	"	78° 24'	65° 20'	77° 04'	25° 59'	61° 11'	2.1776	4.3557	4.8698
28	q	$\frac{1}{2}$	232	33° 41'	63° 00'	47° 26'	58° 31'	29° 37'	47° 51'	1.0889	1.6334	1.9631
29	h	14	141	14° 02'	77° 26'	"	77° 04'	13° 41'	71° 15'	"	4.3557	4.4898
30	g	$\frac{2}{3}$	162	9° 27'	73° 12'	28° 34'	72° 59'	9° 03'	70° 47'	0.5444	3.2668	3.3118
31	v	13	131	18° 26'	73° 48'	47° 26'	"	17° 40'	65° 39'	1.0889	"	3.4435

Phosphosiderit.

Rhombisch.

$a = 0.5330$	$\lg a = 972673$	$\lg a_0 = 978363$	$\lg p_0 = 021637$	$a_0 = 0.6076$	$p_0 = 1.6458$
$c = 0.8772$	$\lg c = 994310$	$\lg b_0 = 005690$	$\lg q_0 = 994310$	$b_0 = 1.1400$	$q_0 = 0.8772$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg u$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	00	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	00	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	p	70	710	85 38'	"	"	90 00	85 38'	4 21'	13'1330	∞	"
5	o	40	410	82 24'	"	"	"	82 24'	7 35'	7'5033	"	"
6	n	20	210	75 04'	"	"	"	75 04'	14 55'	3'7523	"	"
7	m	∞	110	61 56'	"	"	"	61 56'	28 03'	1'8762	"	"
8	g	03	034	0 00	33 20'	0 00	33 20'	0 00	33 20'	0	0'6579	0'6579
9	h	01	011	"	41 15'	"	41 15'	"	41 15'	"	0'8772	0'8772
10	t	04	041	"	74 05'	"	74 05'	"	74 05'	"	3'5088	3'5088
11	e	10	101	90 00	58 43	58 43	0 00	58 43	0 00	1'6458	0	1'6458
12	d	1	111	61 56'	61 48	"	41 15'	51 03	24 29'	"	0'8772	1'8640
13	i	7	771	"	85 37	85 02'	80 45	61 37'	27 58	11'5200	6'1404	13'055

Pikromerit.

Monoklin.

$a = 0.7370$	$\lg a = 986747$	$\lg a_0 = 017234$	$\lg p_0 = 982766$	$a_0 = 1.4871$	$p_0 = 0.6724$
$c = 0.4956$	$\lg c = 969513$	$\lg b_0 = 030487$	$\lg q_0 = 968018$	$b_0 = 2.0178$	$q_0 = 0.4788$
$\mu_{180-\beta} = 1.75^{\circ}03$	$\lg \sin \mu = 998505$	$\lg e = 941158$	$\lg \frac{p_0}{q_0} = 014748$	$h = 0.9662$	$e = 0.2580$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg e$
1	c	0	001	90° 00	14° 57	14° 57	0° 00	14° 57	0° 00	0'2670	0	0'2670
2	b	00	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	00	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	p	∞	110	54 33	"	"	90 00	54 33	35 27	1'4043	∞	"
5	m	$\infty \frac{3}{2}$	230	43 07	"	"	"	43 07	46 53	0'9362	"	"
6	n	$\infty 2$	120	35 04'	"	"	"	35 04'	54 55'	0'7023	"	"
7	s	03	130	25 05	"	"	"	25 05	64 55	0'4681	"	"
8	q	01	011	28 19	29 22'	14 57	26 22	13 27'	25 35	0'2670	0'4956	0'5630
9	r	-20	201	90 00	48 22	48 22	0 00	48 22	0 00	1'1249	0	1'1249
10	o	+1	111	62 46	47 17	43 55	26 22	40 47'	19 39	0'9631	0'4956	1'0830
11	u	-1	111	40 25'	33 14'	23 13	"	21 01'	24 29	0'4289	"	0'6554

Pinakiolith.**Rhomblisch.**

$a = 0.8338$	$\lg a = 992106$	$\lg a_0 = 015161$	$\lg p_0 = 984839$	$a_0 = 1.4178$	$p_0 = 0.7053$
$c = 0.5881$	$\lg c = 976945$	$\lg b_0 = 023055$	$\lg q_0 = 976945$	$b_0 = 1.7004$	$q_0 = 0.5881$

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	l	30	310	74 28	"	90 00	"	74 28	15 32	3.5978	"	"
3	e	01	011	0 00	30 27	0 00	30 27	0 00	30 27	0	0.5881	0.5881

Pinnoit.**Tetragonal. Pyramidal-hemiedrisch.**

$\frac{c}{p_0} = 1.0761$	$\lg c = 003185$	$\lg a_0 = 996815$	$a_0 = 0.9293$
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N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	a	∞	110	45° 00	90° 00	90° 00	90° 00	45° 00	45° 00	1	∞	∞
2	o	01	011	0 00	47 06	0 00	47 06	0 00	47 06	0	1.0761	1.0761
3	d	$\frac{1}{2}$	112	45 00	37 16	28 17	28 17	25 21	25 21	0.5380	0.5380	0.7609
4	z	$\frac{1}{2}1$	122	26 34	50 16	"	47 06	20 07	43 27	"	1.0761	1.2031

Pisanit.**Monoklin.**

$a = 1.161$	$\lg a = 006483$	$\lg a_0 = 988557$	$\lg p_0 = 011443$	$a_0 = 0.7684$	$p_0 = 1.3014$
$c = 1.511$	$\lg c = 017926$	$\lg b_0 = 982074$	$\lg q_0 = 016345$	$b_0 = 0.6618$	$q_0 = 1.4570$
$\mu_{180} = \beta = 74^\circ 38'$	$\lg h = 998419$	$\lg e = 942324$	$\lg \frac{p_0}{q_0} = 995098$	$h = 0.9642$	$e = 0.2650$

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00	15° 22	15° 22	0° 00	15° 22	0° 00	0.2748	0	0.2748
2	b	00	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	m	∞	110	41 46	"	90 00	"	41 46	48 13	0.8923	"	"
4	o	01	011	10 18	56 56	15 22	56 30	8 37	55 32	0.2748	1.5110	1.5358
5	w	$\frac{1}{2}0$	103	90 00	35 56	35 56	0 00	35 56	0 00	0.7247	0	0.7247
6	t	$-\frac{1}{2}$	101	90 00	47 04	47 04	"	47 04	"	1.0748	"	1.0748
7	e	$-\frac{1}{2}$	112	27 54	40 31	21 48	37 04	17 42	35 03	0.4000	0.7555	0.8549

Plagionit.**Monoklin.**

$a = 1.1331$	$\lg a = 0.05427$	$\lg a_0 = 0.12711$	$\lg p_0 = 0.987289$	$a_0 = 1.3400$	$p_0 = 0.7463$
$c = 0.8456$	$\lg c = 0.92716$	$\lg b_0 = 0.07284$	$\lg q_0 = 0.990735$	$b_0 = 1.1826$	$q_0 = 0.8079$
$\mu = \left. \begin{matrix} 180 - \beta \\ 72^\circ 49' \end{matrix} \right\}$	$\lg h = \left. \begin{matrix} 998019 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 947025 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 0.996554$	$h = 0.9554$	$e = 0.2953$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	c	o	001	90° 00'	17° 10'	17° 10'	0° 00'	17° 10'	0° 00'	0.3091	o	0.3091
2	a	$\infty 0$	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	d	04	041	5 13'	73 35'	17 10'	73 32'	5 00'	72 48'	0.3091	3.3824	3.3964
4	y	$+\frac{3}{2}$	331	46 16'	74 45'	69 20'	68 29'	44 12'	41 49'	2.6525	2.5367	3.6702
5	x	$+\frac{2}{2}$	221	47 54'	68 22'	61 53'	59 24'	43 36'	38 33'	1.8713	1.6912	2.5223
6	n	$+\frac{1}{2}$	111	52 12'	54 04'	47 28'	40 13'	39 46'	29 45'	1.0902	0.8456	1.3797
7	e	$+\frac{1}{2}$	112	58 51'	39 16'	34 59'	22 55'	32 48'	19 06'	0.6996	0.4228	0.8175
8	p	$+\frac{1}{2}$	114	67 17'	28 40'	26 46'	11 55'	26 16'	10 40'	0.5044	0.2112	0.5468
9	s	$-\frac{1}{2}$	112	10 54'	23 18'	4 39'	22 55'	4 17'	22 51'	0.0815	0.4228	0.4396

Platin.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	$\left\{ \begin{matrix} o \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 001 \\ 010 \end{matrix} \right.$	$\left\{ \begin{matrix} - \\ 0^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} o \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} o \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} o \\ \infty \end{matrix} \right.$
2	a	$\left\{ \begin{matrix} 0\frac{1}{2} \\ 03 \\ \infty 3 \end{matrix} \right.$	$\left\{ \begin{matrix} 013 \\ 031 \\ 130 \end{matrix} \right.$	$\left\{ \begin{matrix} " \\ " \\ 18^\circ 26' \end{matrix} \right.$	$\left\{ \begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} " \\ " \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} " \\ " \\ 18^\circ 26' \end{matrix} \right.$	$\left\{ \begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} " \\ " \\ 0.3333 \end{matrix} \right.$	$\left\{ \begin{matrix} 0.3333 \\ 3.0000 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 0.3333 \\ 3.0000 \\ \infty \end{matrix} \right.$
3	e	$\left\{ \begin{matrix} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{matrix} \right.$	$\left\{ \begin{matrix} 012 \\ 021 \\ 120 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ " \\ 26^\circ 34' \end{matrix} \right.$	$\left\{ \begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ " \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ " \\ 26^\circ 34' \end{matrix} \right.$	$\left\{ \begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} o \\ " \\ 0.5000 \end{matrix} \right.$	$\left\{ \begin{matrix} 0.5000 \\ 2.0000 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 0.5000 \\ 2.0000 \\ \infty \end{matrix} \right.$
4	h	$\left\{ \begin{matrix} 0\frac{3}{2} \\ 0\frac{3}{2} \\ \infty \frac{3}{2} \end{matrix} \right.$	$\left\{ \begin{matrix} 035 \\ 053 \\ 350 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ " \\ 30^\circ 58' \end{matrix} \right.$	$\left\{ \begin{matrix} 30^\circ 58' \\ 59^\circ 02' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ " \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 30^\circ 58' \\ 59^\circ 02' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ " \\ 30^\circ 58' \end{matrix} \right.$	$\left\{ \begin{matrix} 30^\circ 58' \\ 59^\circ 02' \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} o \\ " \\ 0.6000 \end{matrix} \right.$	$\left\{ \begin{matrix} 0.6000 \\ 1.6667 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 0.6000 \\ 1.6667 \\ \infty \end{matrix} \right.$
5	b	$\left\{ \begin{matrix} 0\frac{2}{3} \\ 0\frac{2}{3} \\ \infty \frac{2}{3} \end{matrix} \right.$	$\left\{ \begin{matrix} 023 \\ 032 \\ 230 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ " \\ 33^\circ 41' \end{matrix} \right.$	$\left\{ \begin{matrix} 33^\circ 41' \\ 56^\circ 18' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ " \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 33^\circ 41' \\ 56^\circ 18' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ " \\ 33^\circ 41' \end{matrix} \right.$	$\left\{ \begin{matrix} 33^\circ 41' \\ 56^\circ 18' \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} o \\ " \\ 0.6667 \end{matrix} \right.$	$\left\{ \begin{matrix} 0.6667 \\ 1.5000 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 0.6667 \\ 1.5000 \\ \infty \end{matrix} \right.$
6	d	$\left\{ \begin{matrix} 01 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 011 \\ 110 \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix} \right.$	$\left\{ \begin{matrix} 45^\circ 00' \\ " \end{matrix} \right.$	$\left\{ \begin{matrix} o \\ 1.0000 \end{matrix} \right.$	$\left\{ \begin{matrix} 1.0000 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 1.0000 \\ \infty \end{matrix} \right.$
7	p	1	111	"	54 44'	45 00'	45 00'	35 16'	35 16'	"	1.0000	1.4142

Polianit.

Tetragonal.

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 0.6647 \quad \lg c = 982263 \quad \lg a_o = 017737 \quad a_o = 1.5044$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	a	0 ∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	m	∞	110	45 00	"	90 00	"	45 00	45 00	1'0000	"	"
3	h	$\infty 2$	120	26 34	"	"	"	26 34	63 26	0'5000	"	"
4	e	01	011	0 00	33 37	0 00	33 37	0 00	33 37	0	0'6647	0'6647
5	l	02	021	"	53 03	"	53 03	"	53 03	"	1'3294	1'3294
6	s	1	111	45 00	43 14	33 36	33 36	28 58	28 58	0'6647	0'6647	0'9400
7	g	2	221	"	61 59	53 03	53 03	38 38	38 38	1'3294	1'3294	1'8800
8	z	23	231	33 41	67 21	"	63 22	30 47	50 09	"	1'9941	2'3966

Pollucit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	$\left\{ \begin{matrix} 0 \\ 0\infty \end{matrix} \right.$	$\left\{ \begin{matrix} 001 \\ 010 \end{matrix} \right.$	— 0° 00	0° 00 90 00	0° 00 "	0° 00 90 00	0° 00 "	0° 00 90 00	0 "	0 ∞	0 ∞
2	e	$\left\{ \begin{matrix} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{matrix} \right.$	$\left\{ \begin{matrix} 012 \\ 021 \\ 120 \end{matrix} \right.$	" " 26 34 26 34	26 34 63 26 90 00	" " 26 34 90 00	26 34 63 26 90 00	" " 26 34 26 34	26 34 63 26 "	" 0'5000 0'5000	0'5000 2'0000 ∞	0'5000 2'0000 ∞
3	d	$\left\{ \begin{matrix} 01 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 011 \\ 110 \end{matrix} \right.$	0 00 45 00	45 00 90 00	0 00 90 00	45 00 90 00	0 00 45 00	45 00 "	0 1'0000	1'0000 ∞	1'0000 ∞
4	q	$\left\{ \begin{matrix} \frac{1}{2} \\ 12 \end{matrix} \right.$	$\left\{ \begin{matrix} 112 \\ 121 \end{matrix} \right.$	" 26 34	35 16 65 54	26 34 45 00	26 34 63 26	24 05 "	24 05 54 44	0'5000 1'0000	0'5000 2'0000	0'7071 2'2360

Polyargyrit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	$\left\{ \begin{matrix} 0 \\ 0\infty \end{matrix} \right.$	$\left\{ \begin{matrix} 001 \\ 010 \end{matrix} \right.$	— 0° 00	0° 00 90 00	0° 00 "	0° 00 90 00	0° 00 "	0° 00 90 00	0 "	0 ∞	0 ∞
2	d	$\left\{ \begin{matrix} 01 \\ \infty \end{matrix} \right.$	$\left\{ \begin{matrix} 011 \\ 110 \end{matrix} \right.$	" 45 00	45 00 90 00	" 90 00	45 00 90 00	" 45 00	45 00 "	" 1'0000	1'0000 ∞	1'0000 ∞
3	p	1	111	"	54 44	45 00	45 00	35 16	35 16	"	1'0000	1'4142

Polybasit.

Rhombisch? [Monoklin?]

$a = 1.7309$	$\lg a = 0.23828$	$\lg a_0 = 0.03973$	$\lg p_0 = 9.96027$	$a_0 = 1.0958$	$p_0 = 0.9126$
$c = 1.5796$	$\lg c = 0.19855$	$\lg b_0 = 9.80145$	$\lg q_0 = 0.19855$	$b_0 = 0.6331$	$q_0 = 1.5796$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	l	3∞	310	60° 01	90 00	90 00	90 00	60 01	29 59	1.7332	∞	\sim
3	m	∞	110	30 01	"	"	"	30 01	59 59	0.5777	"	"
4	w	$\frac{1}{2}0$	109	90 00	5 47	5 47	0 00	5 47	0 00	0.1014	0	0.1014
5	A	$-\frac{2}{3}0$	203	"	31 19	31 19	"	31 19	"	0.6084	"	0.6084
6	nn	± 10	101	"	42 23	42 23	"	42 23	"	0.9126	"	0.9126
7	π	$-\frac{4}{5}0$	403	"	50 35	50 35	"	50 35	"	1.2168	"	1.2168
8	t	-20	201	"	61 17	61 17	"	61 17	"	1.8252	"	1.8252
9	oo	$+\frac{1}{2}$	114	30 01	24 31	12 51	21 33	11 59	21 03	0.2281	0.3949	0.4561
10	rr	$\pm \frac{1}{2}$	112	"	42 22	24 31	38 18	19 42	35 42	0.4563	0.7898	0.9121
11	pp	$+\frac{1}{2}$	111	"	61 16	42 23	57 40	26 01	49 24	0.9126	1.5796	1.8243
12	s	$+\frac{1}{2}$	221	"	74 40	61 17	72 26	28 51	56 37	1.8252	3.1592	3.6486
13	u	$+\frac{1}{2}$	331	"	79 38	69 56	78 05	29 28	58 24	2.7378	4.7388	5.4727

Polydymit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0° 00 \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \sim \end{cases}$
2	p	1	111	45 00	54 44	45 00	45 00	35 16	35 16	1.0000	1.0000	1.4142

Polyhalit.

Rhombisch. (?)

$$\lg p_0 = 0.19579; \quad \frac{p_0}{q_0} = 1.5696; \quad \frac{a}{b} = 0.6371$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	\sim
3	m	∞	110	57 30	"	90 00	"	57 30	32 30	1.5696	"	"

Polykras.**Rhomblisch.**

$a = 0.3462$	$\lg a = 953933$	$\lg a_0 = 004462$	$\lg p_0 = 995538$	$a_0 = 1.1082$	$p_0 = 0.9024$
$c = 0.3124$	$\lg c = 949471$	$\lg b_0 = 050529$	$\lg q_0 = 949471$	$b_0 = 3.2010$	$q_0 = 0.3124$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	m	∞	110	70° 54	"	"	90° 00	70° 54	19° 06	2.8884	∞	"
5	l	01	011	0° 00	17° 21	0° 00	17° 21	0° 00	17° 21	0	0.3124	0.3124
6	u	10	101	90° 00	42° 03	42° 03	0° 00	42° 03	0° 00	0.9023	0	0.9023
7	x	20	201	"	61° 00	61° 00	"	61° 00	"	1.8047	"	1.8047
8	q	30	301	"	69° 43	69° 43	"	69° 43	"	2.7070	"	2.7070
9	s	1	111	70° 54	43° 40	42° 03	17° 21	40° 44	13° 03	0.9023	0.3124	0.9549
10	z	12	121	55° 18	47° 40	"	32° 00	37° 25	24° 53	"	0.6248	1.0975
11	r	13	131	43° 55	52° 27	"	43° 08	33° 21	34° 50	"	0.9372	1.3010

Polymignyt.**Rhomblisch.**

$a = 0.7121$	$\lg a = 985254$	$\lg a_0 = 014319$	$\lg p_0 = 985681$	$a_0 = 1.3906$	$p_0 = 0.7191$
$c = 0.5121$	$\lg c = 970935$	$\lg b_0 = 029065$	$\lg q_0 = 970935$	$b_0 = 1.9528$	$q_0 = 0.5121$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	l	2∞	210	70° 24	"	"	90° 00	70° 24	19° 36	2.8086	∞	"
5	m	∞	110	54° 32	"	"	"	54° 32	35° 27	1.4043	"	"
6	s	∞2	120	35° 04	"	"	"	35° 04	54° 55	0.7021	"	"
7	t	∞4	140	19° 20	"	"	"	19° 20	70° 39	0.3511	"	"
8	p	1	111	54° 33	41° 26	35° 43	27° 07	32° 37	22° 34	0.7191	0.5121	0.8828
9	q	13	232	43° 07	46° 27	"	37° 32	29° 41	31° 57	"	0.7681	1.0522
10	r	13	131	25° 05	59° 29	"	56° 56	21° 25	51° 17	"	1.5363	1.6962

Powellit.

Tetragonal.

$\frac{c}{p_0} = 1.5445$	$\lg c = 0.18879$	$\lg a_0 = 9.81121$	$a_0 = 0.6475$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d = $\lg \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	e	01	011	0° 00	57 04	"	57 04	"	57 04	"	1.5445	1.5445
3	p	1	111	45 00	65 24	57 04	"	40 00	40 00	1.5445	"	2.1842

Prehnit.

Rhombisch.

$a = 0.8405$	$\lg a = 9.92454$	$\lg a_0 = 9.87505$	$\lg p_0 = 0.12495$	$a_0 = 0.7500$	$p_0 = 1.3334$
$c = 1.1207$	$\lg c = 0.04949$	$\lg b_0 = 9.95051$	$\lg q_0 = 0.04949$	$b_0 = 0.8923$	$q_0 = 1.1207$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d = $\lg \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	49 57	"	"	90 00	49 57	40 03	1.1897	∞	"
5	?p	$\infty 3$	130	21 38	"	"	"	21 38	68 22	0.3966	"	"
6	o	03	031	0 00	73 26	0 00	73 26	0 00	73 26	0	3.3620	3.3620
7	v	$\frac{3}{8} 0$	308	90 00	26 34	26 34	0 00	26 34	0 00	0.5000	0	0.5000
8	n	$\frac{3}{4} 0$	304	"	45 00	45 00	"	45 00	"	1.0000	"	1.0000
9	q	10	101	"	53 08	53 08	"	53 08	"	1.3333	"	1.3333
10	t	$\frac{3}{2} 0$	302	"	63 26	63 26	"	63 26	"	2.0000	"	2.0000
11	u	$\frac{3}{2} 0$	301	"	75 58	75 58	"	75 58	"	4.0000	"	4.0000
12	w	50	501	"	81 28	81 28	"	81 28	"	6.6668	"	6.6668
13	r	1	111	49 57	60 08	53 08	48 15	41 36	33 55	1.3333	1.1207	1.7418
14	s	3	331	"	79 10	75 58	73 26	48 45	39 11	4.0001	3.3621	5.2252
15	x	4	441	"	81 50	79 23	77 25	49 16	39 33	5.3335	4.4828	6.9670
16	?y	13	131	21 38	74 32	53 08	73 26	20 49	63 38	1.3333	3.3621	3.6168

Prismatin.

Rhomblisch.

$a = 0.862$	$\lg a = 993551$	$\lg a_0 = 001643$	$\lg p_0 = 998357$	$a_0 = 1.0385$	$p_0 = 0.9629$
$c = 0.83$	$\lg c = 991908$	$\lg b_0 = 008092$	$\lg q_0 = 991908$	$b_0 = 1.2048$	$q_0 = 0.8300$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tge
1	b	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	c	∞	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	e	∞	110	49° 14'	"	"	90° 00	49° 14'	40° 45'	1.1600	∞	"
4	m	10	101	90° 00	43° 55'	43° 55'	0° 00	43° 55'	0° 00	0.9628	0	0.9628
5	n	$\frac{1}{2}0$	102	"	25° 42'	25° 42'	"	25° 42'	"	0.4814	"	0.4814

Prosopit.

Monoklin.

$a = 1.3188$	$\lg a = 012018$	$\lg a_0 = 034566$	$\lg p_0 = 965434$	$a_0 = 2.2160$	$p_0 = 0.4512$
$c = 0.5950$	$\lg c = 977452$	$\lg b_0 = 022548$	$\lg q_0 = 977328$	$b_0 = 1.6807$	$q_0 = 0.5933$
$\mu = \begin{cases} 180^\circ - \beta \\ 85^\circ 40' \end{cases}$	$\lg h = \begin{cases} \\ \lg \sin \mu \end{cases} 999876$	$\lg e = \begin{cases} \\ \lg \cos \mu \end{cases} 887829$	$\lg \frac{p_0}{q_0} = 988106$	$h = 0.9971$	$e = 0.0755$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tge
1	l	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	d	∞	110	37° 15'	"	90° 00	"	37° 15'	52° 45'	0.7604	"	"
3	o	01	011	7° 15'	30° 57'	4° 20'	30° 45'	3° 43'	30° 41'	0.0758	0.5950	0.5998
4	x	03	031	2° 26'	60° 46'	"	60° 44'	2° 07'	60° 40'	"	1.7850	1.7866
5	t	-1	111	32° 20'	35° 09'	20° 39'	30° 45'	17° 56'	29° 06'	0.3768	0.5950	0.7043
6	z	+21	211	58° 45'	48° 55'	44° 26'	"	40° 07'	23° 01'	0.9807	"	1.1471
7	y	+23	231	28° 47'	63° 51'	"	60° 44'	25° 36'	51° 53'	"	1.7850	2.0367

Pseudobrookit.

Rhombisch.

$a = 0.8738$	$\lg a = 994141$	$\lg a_0 = 999407$	$\lg p_0 = 000593$	$a_0 = 0.9864$	$p_0 = 1.0137$
$c = 0.8858$	$\lg c = 994734$	$\lg b_0 = 005266$	$\lg q_0 = 994734$	$b_0 = 1.1289$	$q_0 = 0.8858$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	c	00	010	0°00	90°00	90°00	90°00	90°00	90°00	∞	∞	∞
3	a	∞0	100	90°00	0°00	90°00	0°00	90°00	0°00	∞	0	∞
4	d	∞	110	48°51	90°00	90°00	90°00	48°51	41°09	1.1444	∞	∞
5	e	∞3	130	20°53	90°00	90°00	90°00	20°53	69°07	0.3815	∞	∞
6	y	01	011	0°00	41°32	0°00	41°32	0°00	41°32	0	0.8858	0.8858
7	n	10	102	90°00	26°53	26°53	0°00	26°53	0°00	0.5069	0	0.5069
8	l	10	101	90°00	45°23	45°23	0°00	45°23	0°00	1.0137	∞	1.0137
9	m	20	201	90°00	63°45	63°45	0°00	63°45	0°00	2.0275	∞	2.0275
10	p	11	133	20°53	43°28	18°40	41°32	14°11	40°00	0.3379	0.8858	0.9481
11	q	13	131	90°00	70°37	45°23	69°07	19°39	61°49	1.0137	2.6574	2.8442
12	s	12	132	90°00	54°53	26°53	53°02	16°57	49°50	0.5069	1.3287	1.4221

Pucherit.

Rhombisch.

$a = 0.5327$	$\lg a = 972648$	$\lg a_0 = 965911$	$\lg p_0 = 034089$	$a_0 = 0.4561$	$p_0 = 2.1922$
$c = 1.1678$	$\lg c = 006737$	$\lg b_0 = 993263$	$\lg q_0 = 006737$	$b_0 = 5.8563$	$q_0 = 1.1678$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	∞0	100	90°00	90°00	90°00	90°00	90°00	90°00	∞	∞	∞
3	t	∞	110	61°57	90°00	90°00	90°00	61°57	28°02	1.8772	∞	∞
4	w	01	011	0°00	49°25	0°00	49°25	0°00	49°25	0	1.1678	1.1678
5	x	02	021	0°00	66°49	0°00	66°49	0°00	66°49	0	2.3356	2.3356
6	n	11	111	61°57	68°04	65°29	49°25	54°57	25°51	2.1922	1.1678	2.4830
7	e	12	121	43°11	72°40	66°49	66°49	40°47	44°07	∞	2.3356	3.2032

Regulär. Pentagonal-hemledrisch.

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\begin{array}{l} 001 \\ 010 \end{array}$	$\begin{array}{l} — \\ 0^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \end{array}$	$\begin{array}{l} 0^\circ 00 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \end{array}$	$\begin{array}{l} 0^\circ 00 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0 \\ " \end{array}$	$\begin{array}{l} 0 \\ \infty \end{array}$	$\begin{array}{l} 0 \\ \infty \end{array}$
2	a	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 09 \\ \infty 9 \end{array} \right.$	$\begin{array}{l} 019 \\ 091 \\ 190 \end{array}$	$\begin{array}{l} " \\ " \\ 6^\circ 20' \end{array}$	$\begin{array}{l} 6^\circ 20' \\ 83^\circ 39' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} " \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 6^\circ 20' \\ 83^\circ 39' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} " \\ " \\ 6^\circ 20' \end{array}$	$\begin{array}{l} 6^\circ 20' \\ 83^\circ 39' \\ " \end{array}$	$\begin{array}{l} " \\ " \\ 0^\circ 1111 \end{array}$	$\begin{array}{l} 0^\circ 1111 \\ 9^\circ 0000 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 1111 \\ 9^\circ 0000 \\ \infty \end{array}$
3	b	$\left\{ \begin{array}{l} 0\frac{1}{4} \\ 08 \\ \infty 8 \end{array} \right.$	$\begin{array}{l} 018 \\ 081 \\ 180 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 7^\circ 07' \end{array}$	$\begin{array}{l} 7^\circ 07' \\ 82^\circ 52' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 7^\circ 07' \\ 82^\circ 52' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 7^\circ 07' \end{array}$	$\begin{array}{l} 7^\circ 07' \\ 82^\circ 52' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 1250 \end{array}$	$\begin{array}{l} 0^\circ 1250 \\ 8^\circ 0000 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 1250 \\ 8^\circ 0000 \\ \infty \end{array}$
4	r	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 07 \\ \infty 7 \end{array} \right.$	$\begin{array}{l} 017 \\ 071 \\ 170 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 8^\circ 08 \end{array}$	$\begin{array}{l} 8^\circ 08 \\ 81^\circ 52' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 8^\circ 08 \\ 81^\circ 52' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 8^\circ 08 \end{array}$	$\begin{array}{l} 8^\circ 08 \\ 81^\circ 52' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 1429 \end{array}$	$\begin{array}{l} 0^\circ 1429 \\ 7^\circ 0000 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 1429 \\ 7^\circ 0000 \\ \infty \end{array}$
5	p	$\left\{ \begin{array}{l} 0\frac{1}{6} \\ 06 \\ \infty 6 \end{array} \right.$	$\begin{array}{l} 016 \\ 061 \\ 160 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 9^\circ 27' \end{array}$	$\begin{array}{l} 9^\circ 27' \\ 80^\circ 32' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 9^\circ 27' \\ 80^\circ 32' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 9^\circ 27' \end{array}$	$\begin{array}{l} 9^\circ 27' \\ 80^\circ 32' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 1667 \end{array}$	$\begin{array}{l} 0^\circ 1667 \\ 6^\circ 0000 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 1667 \\ 6^\circ 0000 \\ \infty \end{array}$
6	b	$\left\{ \begin{array}{l} 0\frac{2}{3} \\ 02 \\ \infty \frac{2}{3} \end{array} \right.$	$\begin{array}{l} 029 \\ 092 \\ 290 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 12^\circ 31' \end{array}$	$\begin{array}{l} 12^\circ 31' \\ 77^\circ 28' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 12^\circ 31' \\ 77^\circ 28' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 12^\circ 31' \end{array}$	$\begin{array}{l} 12^\circ 31' \\ 77^\circ 28' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 2222 \end{array}$	$\begin{array}{l} 0^\circ 2222 \\ 4^\circ 5000 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 2222 \\ 4^\circ 5000 \\ \infty \end{array}$
7	f	$\left\{ \begin{array}{l} 0\frac{1}{4} \\ 04 \\ \infty 4 \end{array} \right.$	$\begin{array}{l} 014 \\ 041 \\ 140 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 14^\circ 02 \end{array}$	$\begin{array}{l} 14^\circ 02 \\ 75^\circ 58' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 14^\circ 02 \\ 75^\circ 58' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 14^\circ 02 \end{array}$	$\begin{array}{l} 14^\circ 02 \\ 75^\circ 58' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 2500 \end{array}$	$\begin{array}{l} 0^\circ 2500 \\ 4^\circ 0000 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 2500 \\ 4^\circ 0000 \\ \infty \end{array}$
8	e	$\left\{ \begin{array}{l} 0\frac{2}{7} \\ 02 \\ \infty \frac{2}{7} \end{array} \right.$	$\begin{array}{l} 027 \\ 072 \\ 270 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 15^\circ 56' \end{array}$	$\begin{array}{l} 15^\circ 56' \\ 74^\circ 03' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 15^\circ 56' \\ 74^\circ 03' \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 15^\circ 56' \end{array}$	$\begin{array}{l} 15^\circ 56' \\ 74^\circ 03' \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 2857 \end{array}$	$\begin{array}{l} 0^\circ 2857 \\ 3^\circ 5000 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 2857 \\ 3^\circ 5000 \\ \infty \end{array}$
9	f	$\left\{ \begin{array}{l} 0\frac{3}{10} \\ 0\frac{3}{10} \\ \infty \frac{3}{10} \end{array} \right.$	$\begin{array}{l} 0^\circ 3' 10 \\ 0^\circ 10' 3 \\ 3^\circ 10' 0 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 16^\circ 42 \end{array}$	$\begin{array}{l} 16^\circ 42 \\ 73^\circ 18 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 16^\circ 42 \\ 73^\circ 18 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 16^\circ 42 \end{array}$	$\begin{array}{l} 16^\circ 42 \\ 73^\circ 18 \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 3000 \end{array}$	$\begin{array}{l} 0^\circ 3000 \\ 3^\circ 3333 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 3000 \\ 3^\circ 3333 \\ \infty \end{array}$
10	a	$\left\{ \begin{array}{l} 0\frac{1}{3} \\ 03 \\ \infty 3 \end{array} \right.$	$\begin{array}{l} 013 \\ 031 \\ 130 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 18^\circ 26 \end{array}$	$\begin{array}{l} 18^\circ 26 \\ 71^\circ 34 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 18^\circ 26 \\ 71^\circ 34 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 18^\circ 26 \end{array}$	$\begin{array}{l} 18^\circ 26 \\ 71^\circ 34 \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 3333 \end{array}$	$\begin{array}{l} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{array}$
11	g	$\left\{ \begin{array}{l} 0\frac{1}{11} \\ 0\frac{1}{11} \\ \infty \frac{1}{11} \end{array} \right.$	$\begin{array}{l} 0^\circ 4' 11 \\ 0^\circ 11' 4 \\ 4^\circ 11' 0 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 19^\circ 59 \end{array}$	$\begin{array}{l} 19^\circ 59 \\ 70^\circ 01 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 19^\circ 59 \\ 70^\circ 01 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 19^\circ 59 \end{array}$	$\begin{array}{l} 19^\circ 59 \\ 70^\circ 01 \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 3636 \end{array}$	$\begin{array}{l} 0^\circ 3636 \\ 2^\circ 7500 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 3636 \\ 2^\circ 7500 \\ \infty \end{array}$
12	g	$\left\{ \begin{array}{l} 0\frac{2}{5} \\ 02 \\ \infty \frac{2}{5} \end{array} \right.$	$\begin{array}{l} 025 \\ 052 \\ 250 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 21^\circ 48 \end{array}$	$\begin{array}{l} 21^\circ 48 \\ 68^\circ 12 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 21^\circ 48 \\ 68^\circ 12 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 21^\circ 48 \end{array}$	$\begin{array}{l} 21^\circ 48 \\ 68^\circ 12 \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 4000 \end{array}$	$\begin{array}{l} 0^\circ 4000 \\ 2^\circ 5000 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 4000 \\ 2^\circ 5000 \\ \infty \end{array}$
13	h	$\left\{ \begin{array}{l} 0\frac{1}{5} \\ 02 \\ \infty \frac{1}{5} \end{array} \right.$	$\begin{array}{l} 049 \\ 094 \\ 490 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 23^\circ 58 \end{array}$	$\begin{array}{l} 23^\circ 58 \\ 66^\circ 02 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 23^\circ 58 \\ 66^\circ 02 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 23^\circ 58 \end{array}$	$\begin{array}{l} 23^\circ 58 \\ 66^\circ 02 \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 4444 \end{array}$	$\begin{array}{l} 0^\circ 4444 \\ 2^\circ 2500 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 4444 \\ 2^\circ 2500 \\ \infty \end{array}$
14	e	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{array} \right.$	$\begin{array}{l} 012 \\ 021 \\ 120 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 26^\circ 34 \end{array}$	$\begin{array}{l} 26^\circ 34 \\ 63^\circ 26 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 26^\circ 34 \\ 63^\circ 26 \\ 90^\circ 00 \end{array}$	$\begin{array}{l} 0^\circ 00 \\ " \\ 26^\circ 34 \end{array}$	$\begin{array}{l} 26^\circ 34 \\ 63^\circ 26 \\ " \end{array}$	$\begin{array}{l} 0 \\ " \\ 0^\circ 5000 \end{array}$	$\begin{array}{l} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{array}$	$\begin{array}{l} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{array}$

Nr.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
31	ϱ	$\left\{ \begin{smallmatrix} \frac{4}{3} \\ 1\frac{1}{2} \end{smallmatrix} \right.$	$\begin{matrix} 449 \\ 494 \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 23\ 58' \end{matrix}$	$\begin{matrix} 32^\circ 09' \\ 67\ 54' \end{matrix}$	$\begin{matrix} 23^\circ 58' \\ 45\ 00' \end{matrix}$	$\begin{matrix} 23^\circ 58' \\ 66\ 02' \end{matrix}$	$\begin{matrix} 22^\circ 06' \\ " \end{matrix}$	$\begin{matrix} 22^\circ 06' \\ 57\ 51' \end{matrix}$	$\begin{matrix} 0'4444 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'4444 \\ 2'2500 \end{matrix}$	$\begin{matrix} 0'6285 \\ 2'4622 \end{matrix}$
32	π	$\left\{ \begin{smallmatrix} \frac{5}{11} \\ 1\frac{1}{5} \end{smallmatrix} \right.$	$\begin{matrix} 5'5'11'' \\ 5'11'5'' \end{matrix}$	$\begin{matrix} 45\ 00' \\ 24\ 26' \end{matrix}$	$\begin{matrix} 32\ 44' \\ 67\ 31' \end{matrix}$	$\begin{matrix} 24\ 26' \\ 45\ 00' \end{matrix}$	$\begin{matrix} 24\ 26' \\ 65\ 33' \end{matrix}$	$\begin{matrix} 22\ 29' \\ " \end{matrix}$	$\begin{matrix} 22\ 29' \\ 57\ 16' \end{matrix}$	$\begin{matrix} 0'4545 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'4545 \\ 2'2000 \end{matrix}$	$\begin{matrix} 0'6428 \\ 2'4166 \end{matrix}$
33	q	$\left\{ \begin{smallmatrix} \frac{1}{2} \\ 12 \end{smallmatrix} \right.$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} 45\ 00' \\ 26\ 34' \end{matrix}$	$\begin{matrix} 35\ 16' \\ 65\ 54' \end{matrix}$	$\begin{matrix} 26\ 34' \\ 45\ 00' \end{matrix}$	$\begin{matrix} 26\ 34' \\ 63\ 26' \end{matrix}$	$\begin{matrix} 24\ 05' \\ " \end{matrix}$	$\begin{matrix} 24\ 05' \\ 54\ 44' \end{matrix}$	$\begin{matrix} 0'5000 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 0'7071 \\ 2'2360 \end{matrix}$
34	n	$\left\{ \begin{smallmatrix} \frac{2}{3} \\ 1\frac{1}{3} \end{smallmatrix} \right.$	$\begin{matrix} 223 \\ 232 \end{matrix}$	$\begin{matrix} 45\ 00' \\ 33\ 41' \end{matrix}$	$\begin{matrix} 43\ 19' \\ 60\ 59' \end{matrix}$	$\begin{matrix} 33\ 41' \\ 45\ 00' \end{matrix}$	$\begin{matrix} 33\ 41' \\ 56\ 18' \end{matrix}$	$\begin{matrix} 29\ 01' \\ " \end{matrix}$	$\begin{matrix} 29\ 01' \\ 46\ 41' \end{matrix}$	$\begin{matrix} 0'6667 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'6667 \\ 1'5000 \end{matrix}$	$\begin{matrix} 0'9428 \\ 1'8028 \end{matrix}$
35	t	$\left\{ \begin{smallmatrix} \frac{3}{4} \\ 1\frac{1}{3} \end{smallmatrix} \right.$	$\begin{matrix} 334 \\ 343 \end{matrix}$	$\begin{matrix} 45\ 00' \\ 36\ 52' \end{matrix}$	$\begin{matrix} 46\ 41' \\ 59\ 02' \end{matrix}$	$\begin{matrix} 36\ 52' \\ 45\ 00' \end{matrix}$	$\begin{matrix} 36\ 52' \\ 53\ 08' \end{matrix}$	$\begin{matrix} 30\ 58' \\ " \end{matrix}$	$\begin{matrix} 30\ 58' \\ 43\ 19' \end{matrix}$	$\begin{matrix} 0'7500 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'7500 \\ 1'3333 \end{matrix}$	$\begin{matrix} 1'0606 \\ 1'6667 \end{matrix}$
36	p	$\left\{ \begin{smallmatrix} 1 \\ 1 \end{smallmatrix} \right.$	$\begin{matrix} 111 \\ 111 \end{matrix}$	$\begin{matrix} 45\ 00' \\ 54\ 44' \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} 45\ 00' \\ 45\ 00' \end{matrix}$	$\begin{matrix} 35\ 16' \\ 35\ 16' \end{matrix}$	$\begin{matrix} 35\ 16' \\ 35\ 16' \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$	$\begin{matrix} " \\ 1'0000 \end{matrix}$	$\begin{matrix} " \\ 1'4142 \end{matrix}$	$\begin{matrix} " \\ " \end{matrix}$
37	Ω	$\left\{ \begin{smallmatrix} \frac{1}{6} \\ 6 \end{smallmatrix} \right.$	$\begin{matrix} 166 \\ 661 \end{matrix}$	$\begin{matrix} 9\ 27' \\ 45\ 00' \end{matrix}$	$\begin{matrix} 45\ 23' \\ 83\ 17' \end{matrix}$	$\begin{matrix} 9\ 27' \\ 80\ 32' \end{matrix}$	$\begin{matrix} " \\ 80\ 32' \end{matrix}$	$\begin{matrix} 6\ 43' \\ 44\ 36' \end{matrix}$	$\begin{matrix} 44\ 36' \\ " \end{matrix}$	$\begin{matrix} 0'1667 \\ 6'0000 \end{matrix}$	$\begin{matrix} " \\ 6'0000 \end{matrix}$	$\begin{matrix} 1'0138 \\ 8'4852 \end{matrix}$
38	v	$\left\{ \begin{smallmatrix} \frac{1}{3} \\ 3 \end{smallmatrix} \right.$	$\begin{matrix} 133 \\ 331 \end{matrix}$	$\begin{matrix} 18\ 26' \\ 45\ 00' \end{matrix}$	$\begin{matrix} 46\ 30' \\ 76\ 44' \end{matrix}$	$\begin{matrix} 18\ 26' \\ 71\ 34' \end{matrix}$	$\begin{matrix} 45\ 00' \\ 71\ 34' \end{matrix}$	$\begin{matrix} 13\ 16' \\ 43\ 29' \end{matrix}$	$\begin{matrix} 43\ 29' \\ " \end{matrix}$	$\begin{matrix} 0'3333 \\ 3'0000 \end{matrix}$	$\begin{matrix} 1'0000 \\ 3'0000 \end{matrix}$	$\begin{matrix} 1'0541 \\ 4'2426 \end{matrix}$
39	u	$\left\{ \begin{smallmatrix} \frac{1}{2} \\ 2 \end{smallmatrix} \right.$	$\begin{matrix} 122 \\ 221 \end{matrix}$	$\begin{matrix} 26\ 34' \\ 45\ 00' \end{matrix}$	$\begin{matrix} 48\ 11' \\ 70\ 31' \end{matrix}$	$\begin{matrix} 26\ 34' \\ 63\ 26' \end{matrix}$	$\begin{matrix} 45\ 00' \\ 63\ 26' \end{matrix}$	$\begin{matrix} 19\ 28' \\ 41\ 48' \end{matrix}$	$\begin{matrix} 41\ 48' \\ " \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 1'0000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 1'1180 \\ 2'8284 \end{matrix}$
40	w	$\left\{ \begin{smallmatrix} \frac{2}{3} \\ 3 \end{smallmatrix} \right.$	$\begin{matrix} 233 \\ 332 \end{matrix}$	$\begin{matrix} 33\ 41' \\ 45\ 00' \end{matrix}$	$\begin{matrix} 50\ 14' \\ 64\ 45' \end{matrix}$	$\begin{matrix} 33\ 41' \\ 56\ 18' \end{matrix}$	$\begin{matrix} 45\ 00' \\ 56\ 18' \end{matrix}$	$\begin{matrix} 25\ 14' \\ 39\ 45' \end{matrix}$	$\begin{matrix} 39\ 45' \\ " \end{matrix}$	$\begin{matrix} 0'6667 \\ 1'5000 \end{matrix}$	$\begin{matrix} 1'0000 \\ 1'5000 \end{matrix}$	$\begin{matrix} 1'2019 \\ 2'1213 \end{matrix}$
41	A	$\left\{ \begin{smallmatrix} \frac{1}{2} \\ \frac{1}{6} \end{smallmatrix} \right.$	$\begin{matrix} 1'6'12'' \\ 1'12'6'' \\ 6'12'' \end{matrix}$	$\begin{matrix} 9\ 27' \\ 4\ 46' \\ 26\ 34' \end{matrix}$	$\begin{matrix} 26\ 53' \\ 63\ 31' \\ 85\ 44' \end{matrix}$	$\begin{matrix} 4\ 46' \\ 9\ 27' \\ 80\ 32' \end{matrix}$	$\begin{matrix} 26\ 34' \\ 63\ 26' \\ 85\ 14' \end{matrix}$	$\begin{matrix} 4\ 16' \\ " \\ 26\ 29' \end{matrix}$	$\begin{matrix} 26\ 29' \\ 63\ 07' \\ " \end{matrix}$	$\begin{matrix} 0'0833 \\ 0'1667 \\ 6'0000 \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \\ 12'0000 \end{matrix}$	$\begin{matrix} 0'5069 \\ 2'0069 \\ 13'416 \end{matrix}$
42	B	$\left\{ \begin{smallmatrix} \frac{1}{5} \\ \frac{1}{2} \\ 5 \end{smallmatrix} \right.$	$\begin{matrix} 1'5'10'' \\ 1'10'5'' \\ 5'10'' \end{matrix}$	$\begin{matrix} 11\ 18' \\ 5\ 42' \\ 26\ 34' \end{matrix}$	$\begin{matrix} 27\ 01' \\ 63\ 33' \\ 84\ 53' \end{matrix}$	$\begin{matrix} 5\ 42' \\ 11\ 18' \\ 78\ 41' \end{matrix}$	$\begin{matrix} 26\ 34' \\ 63\ 26' \\ 84\ 17' \end{matrix}$	$\begin{matrix} 5\ 06' \\ " \\ 26\ 27' \end{matrix}$	$\begin{matrix} 26\ 27' \\ 62\ 59' \\ " \end{matrix}$	$\begin{matrix} 0'1000 \\ 0'2000 \\ 5'0000 \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \\ 10'0000 \end{matrix}$	$\begin{matrix} 0'5099 \\ 2'0099 \\ 11'180 \end{matrix}$
43	C	$\left\{ \begin{smallmatrix} \frac{1}{8} \\ \frac{1}{2} \\ 4 \end{smallmatrix} \right.$	$\begin{matrix} 148 \\ 184 \\ 481 \end{matrix}$	$\begin{matrix} 14\ 02' \\ 7\ 07' \\ 26\ 34' \end{matrix}$	$\begin{matrix} 27\ 16' \\ 63\ 36' \\ 83\ 37' \end{matrix}$	$\begin{matrix} 7\ 07' \\ 14\ 02' \\ 75\ 58' \end{matrix}$	$\begin{matrix} 26\ 34' \\ 63\ 26' \\ 82\ 52' \end{matrix}$	$\begin{matrix} 6\ 22' \\ " \\ 26\ 23' \end{matrix}$	$\begin{matrix} 26\ 23' \\ 62\ 44' \\ " \end{matrix}$	$\begin{matrix} 0'1250 \\ 0'2500 \\ 4'0000 \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \\ 8'0000 \end{matrix}$	$\begin{matrix} 0'5154 \\ 2'0155 \\ 8'9442 \end{matrix}$
44	ψ	$\left\{ \begin{smallmatrix} \frac{1}{2} \\ \frac{1}{2} \\ 24 \end{smallmatrix} \right.$	$\begin{matrix} 124 \\ 142 \\ 241 \end{matrix}$	$\begin{matrix} " \\ 14\ 02' \\ 26\ 34' \end{matrix}$	$\begin{matrix} 29\ 12' \\ 64\ 07' \\ 77\ 23' \end{matrix}$	$\begin{matrix} 14\ 02' \\ 26\ 34' \\ 63\ 26' \end{matrix}$	$\begin{matrix} 26\ 34' \\ 63\ 26' \\ 75\ 58' \end{matrix}$	$\begin{matrix} 12\ 36' \\ " \\ 25\ 52' \end{matrix}$	$\begin{matrix} 25\ 52' \\ 60\ 47' \\ " \end{matrix}$	$\begin{matrix} 0'2500 \\ 0'5000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \\ 4'0000 \end{matrix}$	$\begin{matrix} 0'5590 \\ 2'0615 \\ 4'4721 \end{matrix}$
45	D	$\left\{ \begin{smallmatrix} \frac{1}{3} \\ \frac{2}{3} \\ \frac{2}{3} \end{smallmatrix} \right.$	$\begin{matrix} 236 \\ 263 \\ 362 \end{matrix}$	$\begin{matrix} 33\ 41' \\ 18\ 26' \\ 26\ 34' \end{matrix}$	$\begin{matrix} 31\ 00' \\ 64\ 37' \\ 73\ 24' \end{matrix}$	$\begin{matrix} 18\ 26' \\ 33\ 41' \\ 56\ 18' \end{matrix}$	$\begin{matrix} 26\ 34' \\ 63\ 26' \\ 71\ 34' \end{matrix}$	$\begin{matrix} 16\ 36' \\ " \\ 25\ 22' \end{matrix}$	$\begin{matrix} 25\ 22' \\ 59\ 00' \\ " \end{matrix}$	$\begin{matrix} 0'3333 \\ 0'6667 \\ 1'5000 \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \\ 3'0000 \end{matrix}$	$\begin{matrix} 0'6009 \\ 2'1130 \\ 3'3541 \end{matrix}$
46	y	$\left\{ \begin{smallmatrix} \frac{1}{2} \\ \frac{2}{3} \\ \frac{2}{3} \end{smallmatrix} \right.$	$\begin{matrix} 234 \\ 243 \\ 342 \end{matrix}$	$\begin{matrix} 33\ 41' \\ 26\ 34' \\ 36\ 52' \end{matrix}$	$\begin{matrix} 42\ 02' \\ 56\ 08' \\ 68\ 12' \end{matrix}$	$\begin{matrix} 26\ 34' \\ 33\ 41' \\ 56\ 18' \end{matrix}$	$\begin{matrix} 36\ 52' \\ 53\ 08' \\ 63\ 26' \end{matrix}$	$\begin{matrix} 21\ 48' \\ " \\ 33\ 51' \end{matrix}$	$\begin{matrix} 33\ 51' \\ 47\ 58' \\ " \end{matrix}$	$\begin{matrix} 0'5000 \\ 0'6667 \\ 1'5000 \end{matrix}$	$\begin{matrix} 0'7500 \\ 1'3333 \\ 2'0000 \end{matrix}$	$\begin{matrix} 0'9014 \\ 1'4907 \\ 2'5000 \end{matrix}$
47	x	$\left\{ \begin{smallmatrix} \frac{1}{2} \\ \frac{1}{2} \\ 23 \end{smallmatrix} \right.$	$\begin{matrix} 123 \\ 132 \\ 231 \end{matrix}$	$\begin{matrix} 26\ 34' \\ 18\ 26' \\ 33\ 41' \end{matrix}$	$\begin{matrix} 36\ 42' \\ 57\ 41' \\ 74\ 30' \end{matrix}$	$\begin{matrix} 18\ 26' \\ 26\ 34' \\ 63\ 26' \end{matrix}$	$\begin{matrix} 33\ 41' \\ 56\ 18' \\ 71\ 34' \end{matrix}$	$\begin{matrix} 15\ 30' \\ " \\ 32\ 18' \end{matrix}$	$\begin{matrix} 32\ 18' \\ 53\ 18' \\ " \end{matrix}$	$\begin{matrix} 0'3333 \\ 0'5000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 0'6667 \\ 1'5000 \\ 3'0000 \end{matrix}$	$\begin{matrix} 0'7453 \\ 1'5811 \\ 3'6055 \end{matrix}$

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
48	K	$\begin{cases} \frac{7}{2} \frac{7}{2} \\ \frac{1}{2} \frac{1}{2} \\ 2 \frac{2}{2} \end{cases}$	$\begin{cases} 7'14'22'' \\ 7'22'14'' \\ 14'22'7'' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 17^\circ 39' \\ 32^\circ 28' \end{cases}$	$\begin{cases} 35^\circ 26' \\ 58^\circ 46' \\ 74^\circ 58' \end{cases}$	$\begin{cases} 17^\circ 39' \\ 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 32^\circ 28' \\ 57^\circ 31' \\ 72^\circ 21' \end{cases}$	$\begin{cases} 15^\circ 01' \\ " \\ 31^\circ 14' \end{cases}$	$\begin{cases} 31^\circ 14' \\ 54^\circ 34' \\ " \end{cases}$	$\begin{cases} 0'3182 \\ 0'5000 \\ 2'0000 \end{cases}$	$\begin{cases} 0'6364 \\ 1'5714 \\ 3'1429 \end{cases}$	$\begin{cases} 0'7115 \\ 1'6490 \\ 3'7252 \end{cases}$
49	I	$\begin{cases} \frac{2}{7} \frac{4}{7} \\ \frac{1}{2} \frac{7}{2} \\ 2 \frac{7}{2} \end{cases}$	$\begin{cases} 247 \\ 274 \\ 472 \end{cases}$	$\begin{cases} 26^\circ 34' \\ 15^\circ 56' \\ 29^\circ 44' \end{cases}$	$\begin{cases} 32^\circ 34' \\ 61^\circ 13' \\ 76^\circ 04' \end{cases}$	$\begin{cases} 15^\circ 56' \\ 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 29^\circ 44' \\ 60^\circ 15' \\ 74^\circ 03' \end{cases}$	$\begin{cases} 13^\circ 56' \\ " \\ 28^\circ 47' \end{cases}$	$\begin{cases} 28^\circ 47' \\ 57^\circ 26' \\ " \end{cases}$	$\begin{cases} 0'2857 \\ 0'5000 \\ 2'0000 \end{cases}$	$\begin{cases} 0'5714 \\ 1'7500 \\ 3'5000 \end{cases}$	$\begin{cases} 0'6389 \\ 1'8200 \\ 4'0312 \end{cases}$
50	H	$\begin{cases} \frac{2}{3} \frac{4}{3} \\ \frac{1}{2} \frac{2}{2} \\ 2 \frac{2}{2} \end{cases}$	$\begin{cases} 249 \\ 294 \\ 492 \end{cases}$	$\begin{cases} 26^\circ 34' \\ 12^\circ 32' \\ 23^\circ 58' \end{cases}$	$\begin{cases} 26^\circ 25' \\ 66^\circ 32' \\ 78^\circ 31' \end{cases}$	$\begin{cases} 12^\circ 32' \\ 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 23^\circ 58' \\ 66^\circ 02' \\ 77^\circ 28' \end{cases}$	$\begin{cases} 11^\circ 29' \\ " \\ 23^\circ 27' \end{cases}$	$\begin{cases} 23^\circ 27' \\ 63^\circ 34' \\ " \end{cases}$	$\begin{cases} 0'2222 \\ 0'5000 \\ 2'0000 \end{cases}$	$\begin{cases} 0'4444 \\ 2'2500 \\ 4'5000 \end{cases}$	$\begin{cases} 0'4909 \\ 2'3049 \\ 4'9243 \end{cases}$
51	G	$\begin{cases} \frac{3}{16} \frac{3}{16} \\ \frac{1}{2} \frac{3}{2} \\ 2 \frac{3}{2} \end{cases}$	$\begin{cases} 3'6'16'' \\ 3'16'6'' \\ 6'16'3'' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 10^\circ 37' \\ 20^\circ 33' \end{cases}$	$\begin{cases} 22^\circ 45' \\ 69^\circ 46' \\ 80^\circ 02' \end{cases}$	$\begin{cases} 10^\circ 37' \\ 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 20^\circ 33' \\ 69^\circ 26' \\ 79^\circ 23' \end{cases}$	$\begin{cases} 9^\circ 57' \\ " \\ 20^\circ 14' \end{cases}$	$\begin{cases} 20^\circ 14' \\ 67^\circ 15' \\ " \end{cases}$	$\begin{cases} 0'1875 \\ 0'5000 \\ 2'0000 \end{cases}$	$\begin{cases} 0'3750 \\ 2'6667 \\ 5'3333 \end{cases}$	$\begin{cases} 0'4193 \\ 2'7131 \\ 5'6959 \end{cases}$
52	Y	$\begin{cases} \frac{1}{8} \frac{1}{8} \\ \frac{1}{2} \frac{3}{2} \\ 26 \end{cases}$	$\begin{cases} 126 \\ 162 \\ 261 \end{cases}$	$\begin{cases} 26^\circ 34' \\ 9^\circ 27' \\ 18^\circ 26' \end{cases}$	$\begin{cases} 20^\circ 26' \\ 71^\circ 48' \\ 81^\circ 01' \end{cases}$	$\begin{cases} 9^\circ 27' \\ 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 18^\circ 26' \\ 71^\circ 34' \\ 80^\circ 32' \end{cases}$	$\begin{cases} 8^\circ 59' \\ " \\ 18^\circ 12' \end{cases}$	$\begin{cases} 18^\circ 12' \\ 69^\circ 33' \\ " \end{cases}$	$\begin{cases} 0'1667 \\ 0'5000 \\ 2'0000 \end{cases}$	$\begin{cases} 0'3333 \\ 3'0000 \\ 6'0000 \end{cases}$	$\begin{cases} 0'3727 \\ 3'0413 \\ 6'3246 \end{cases}$
53	F	$\begin{cases} \frac{1}{2} \frac{2}{2} \\ \frac{1}{2} \frac{2}{2} \\ 27 \end{cases}$	$\begin{cases} 127 \\ 172 \\ 271 \end{cases}$	$\begin{cases} 26^\circ 34' \\ 8^\circ 08' \\ 15^\circ 56' \end{cases}$	$\begin{cases} 17^\circ 43' \\ 74^\circ 12' \\ 82^\circ 10' \end{cases}$	$\begin{cases} 8^\circ 08' \\ 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 15^\circ 56' \\ 74^\circ 03' \\ 81^\circ 52' \end{cases}$	$\begin{cases} 7^\circ 49' \\ " \\ 15^\circ 47' \end{cases}$	$\begin{cases} 15^\circ 47' \\ 72^\circ 17' \\ " \end{cases}$	$\begin{cases} 0'1429 \\ 0'5000 \\ 2'0000 \end{cases}$	$\begin{cases} 0'2857 \\ 3'5000 \\ 7'0000 \end{cases}$	$\begin{cases} 0'3194 \\ 3'5355 \\ 7'2802 \end{cases}$
54	L	$\begin{cases} \frac{2}{3} \frac{1}{3} \\ \frac{2}{3} \frac{3}{3} \\ \frac{2}{3} \frac{2}{3} \end{cases}$	$\begin{cases} 239 \\ 293 \\ 392 \end{cases}$	$\begin{cases} 33^\circ 41' \\ 12^\circ 32' \\ 18^\circ 26' \end{cases}$	$\begin{cases} 21^\circ 50' \\ 71^\circ 58' \\ 78^\circ 05' \end{cases}$	$\begin{cases} 12^\circ 32' \\ 33^\circ 41' \\ 56^\circ 18' \end{cases}$	$\begin{cases} 18^\circ 26' \\ 71^\circ 34' \\ 77^\circ 28' \end{cases}$	$\begin{cases} 11^\circ 54' \\ " \\ 18^\circ 01' \end{cases}$	$\begin{cases} 18^\circ 01' \\ 68^\circ 10' \\ " \end{cases}$	$\begin{cases} 0'2222 \\ 0'6667 \\ 1'5000 \end{cases}$	$\begin{cases} 0'3333 \\ 3'0000 \\ 4'5000 \end{cases}$	$\begin{cases} 0'4006 \\ 3'0732 \\ 4'7434 \end{cases}$
55	N	$\begin{cases} \frac{2}{3} \frac{2}{3} \\ \frac{1}{3} \frac{2}{3} \\ 3 \frac{2}{3} \end{cases}$	$\begin{cases} 269 \\ 296 \\ 692 \end{cases}$	$\begin{cases} " \\ 12^\circ 32' \\ 33^\circ 41' \end{cases}$	$\begin{cases} 35^\circ 06' \\ 56^\circ 56' \\ 79^\circ 31' \end{cases}$	$\begin{cases} 12^\circ 32' \\ 18^\circ 26' \\ 71^\circ 34' \end{cases}$	$\begin{cases} 33^\circ 41' \\ 56^\circ 18' \\ 77^\circ 28' \end{cases}$	$\begin{cases} 10^\circ 28' \\ " \\ 33^\circ 03' \end{cases}$	$\begin{cases} 33^\circ 03' \\ 54^\circ 54' \\ " \end{cases}$	$\begin{cases} 0'2222 \\ 0'3333 \\ 3'0000 \end{cases}$	$\begin{cases} 0'6667 \\ 1'5000 \\ 4'5000 \end{cases}$	$\begin{cases} 0'7027 \\ 1'5366 \\ 5'4082 \end{cases}$
56	z	$\begin{cases} \frac{1}{3} \frac{3}{3} \\ \frac{1}{3} \frac{3}{3} \\ 35 \end{cases}$	$\begin{cases} 135 \\ 153 \\ 351 \end{cases}$	$\begin{cases} 18^\circ 26' \\ 11^\circ 18' \\ 30^\circ 58' \end{cases}$	$\begin{cases} 32^\circ 18' \\ 59^\circ 32' \\ 80^\circ 16' \end{cases}$	$\begin{cases} 11^\circ 18' \\ 18^\circ 26' \\ 71^\circ 34' \end{cases}$	$\begin{cases} 30^\circ 58' \\ 59^\circ 02' \\ 78^\circ 41' \end{cases}$	$\begin{cases} 9^\circ 44' \\ " \\ 30^\circ 28' \end{cases}$	$\begin{cases} 30^\circ 28' \\ 57^\circ 41' \\ " \end{cases}$	$\begin{cases} 0'2000 \\ 0'3333 \\ 3'0000 \end{cases}$	$\begin{cases} 0'6000 \\ 1'6667 \\ 5'0000 \end{cases}$	$\begin{cases} 0'6325 \\ 1'6996 \\ 5'8310 \end{cases}$
57	w	$\begin{cases} \frac{1}{3} \frac{3}{3} \\ \frac{1}{3} \frac{4}{3} \\ 34 \end{cases}$	$\begin{cases} 134 \\ 143 \\ 341 \end{cases}$	$\begin{cases} 18^\circ 26' \\ 14^\circ 02' \\ 36^\circ 52' \end{cases}$	$\begin{cases} 38^\circ 19' \\ 53^\circ 57' \\ 78^\circ 41' \end{cases}$	$\begin{cases} 14^\circ 02' \\ 18^\circ 26' \\ 71^\circ 34' \end{cases}$	$\begin{cases} 36^\circ 52' \\ 53^\circ 08' \\ 75^\circ 58' \end{cases}$	$\begin{cases} 11^\circ 18' \\ " \\ 36^\circ 02' \end{cases}$	$\begin{cases} 36^\circ 02' \\ 51^\circ 40' \\ " \end{cases}$	$\begin{cases} 0'2500 \\ 0'3333 \\ 3'0000 \end{cases}$	$\begin{cases} 0'7500 \\ 1'3333 \\ 4'0000 \end{cases}$	$\begin{cases} 0'7906 \\ 1'3743 \\ 5'0000 \end{cases}$
58	R	$\begin{cases} \frac{1}{7} \frac{5}{7} \\ \frac{1}{7} \frac{2}{7} \\ 57 \end{cases}$	$\begin{cases} 157 \\ 175 \\ 571 \end{cases}$	$\begin{cases} 11^\circ 18' \\ 8^\circ 08' \\ 35^\circ 32' \end{cases}$	$\begin{cases} 36^\circ 04' \\ 54^\circ 44' \\ 83^\circ 22' \end{cases}$	$\begin{cases} 8^\circ 08' \\ 11^\circ 18' \\ 78^\circ 41' \end{cases}$	$\begin{cases} 35^\circ 32' \\ 54^\circ 27' \\ 81^\circ 52' \end{cases}$	$\begin{cases} 6^\circ 38' \\ " \\ 35^\circ 16' \end{cases}$	$\begin{cases} 35^\circ 16' \\ 53^\circ 56' \\ " \end{cases}$	$\begin{cases} 0'1429 \\ 0'2000 \\ 5'0000 \end{cases}$	$\begin{cases} 0'7143 \\ 1'4000 \\ 7'0000 \end{cases}$	$\begin{cases} 0'7284 \\ 1'4142 \\ 8'6022 \end{cases}$
59	T	$\begin{cases} \frac{1}{5} \frac{5}{5} \\ \frac{1}{5} \frac{5}{5} \\ 58 \end{cases}$	$\begin{cases} 158 \\ 185 \\ 581 \end{cases}$	$\begin{cases} 11^\circ 18' \\ 7^\circ 07' \\ 32^\circ 00' \end{cases}$	$\begin{cases} 32^\circ 30' \\ 58^\circ 11' \\ 83^\circ 57' \end{cases}$	$\begin{cases} 7^\circ 07' \\ 11^\circ 18' \\ 78^\circ 41' \end{cases}$	$\begin{cases} 32^\circ 00' \\ 57^\circ 59' \\ 82^\circ 52' \end{cases}$	$\begin{cases} 6^\circ 03' \\ " \\ 31^\circ 48' \end{cases}$	$\begin{cases} 31^\circ 48' \\ 57^\circ 29' \\ " \end{cases}$	$\begin{cases} 0'1250 \\ 0'2000 \\ 5'0000 \end{cases}$	$\begin{cases} 0'6250 \\ 1'6000 \\ 8'0000 \end{cases}$	$\begin{cases} 0'6374 \\ 1'6124 \\ 9'4338 \end{cases}$
60	S	$\begin{cases} \frac{1}{6} \frac{4}{6} \\ \frac{1}{6} \frac{4}{6} \\ 6'10 \end{cases}$	$\begin{cases} 1'6'10'' \\ 1'10'6'' \\ 6'10'1'' \end{cases}$	$\begin{cases} 9^\circ 27' \\ 5^\circ 42' \\ 30^\circ 58' \end{cases}$	$\begin{cases} 31^\circ 18' \\ 59^\circ 09' \\ 85^\circ 06' \end{cases}$	$\begin{cases} 5^\circ 42' \\ 9^\circ 27' \\ 80^\circ 32' \end{cases}$	$\begin{cases} 30^\circ 58' \\ 59^\circ 02' \\ 84^\circ 17' \end{cases}$	$\begin{cases} 4^\circ 54' \\ " \\ 30^\circ 50' \end{cases}$	$\begin{cases} 30^\circ 50' \\ 58^\circ 41' \\ " \end{cases}$	$\begin{cases} 0'1000 \\ 0'1667 \\ 6'0000 \end{cases}$	$\begin{cases} 0'6000 \\ 1'6667 \\ 10'000 \end{cases}$	$\begin{cases} 0'6083 \\ 1'6750 \\ 11'662 \end{cases}$
61	O	$\begin{cases} \frac{1}{2} \frac{5}{2} \\ \frac{1}{2} \frac{5}{2} \\ 235 \end{cases}$	$\begin{cases} 235 \\ 253 \\ 352 \end{cases}$	$\begin{cases} 33^\circ 41' \\ 21^\circ 48' \\ 30^\circ 58' \end{cases}$	$\begin{cases} 35^\circ 48' \\ 60^\circ 52' \\ 71^\circ 04' \end{cases}$	$\begin{cases} 21^\circ 48' \\ 33^\circ 41' \\ 56^\circ 18' \end{cases}$	$\begin{cases} 30^\circ 58' \\ 59^\circ 02' \\ 68^\circ 12' \end{cases}$	$\begin{cases} 18^\circ 56' \\ " \\ 29^\circ 07' \end{cases}$	$\begin{cases} 29^\circ 07' \\ 54^\circ 12' \\ " \end{cases}$	$\begin{cases} 0'4000 \\ 0'6667 \\ 1'5000 \end{cases}$	$\begin{cases} 0'6000 \\ 1'6667 \\ 2'5000 \end{cases}$	$\begin{cases} 0'7211 \\ 1'7951 \\ 2'9155 \end{cases}$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
62	P	$\begin{Bmatrix} 0 & 0 \\ 13 & 13 \\ 2 & 13 \\ 2 & 13 \end{Bmatrix}$	6'9'13	33° 41'	39° 45'	24° 46'	34° 41'	20° 47'	32° 09'	0'4615	0'6923	0'8321
			6'13'9	24 46'	57 51'	33 41'	55 18'	"	50 14'	0'6667	1'4444	1'5908
			9'13'6	34 41'	69 13'	56 18'	65 13'	32 09'	"	1'5000	2'1667	2'6352
63	X	$\begin{Bmatrix} 3 & 4 \\ 3 & 3 \\ 4 & 4 \\ 4 & 3 \end{Bmatrix}$	345	36 52'	45 00'	30 58'	38 39'	25 06'	34 27'	0'6000	0'8000	1'0000
			354	30 58'	55 33'	36 52'	51 20'	"	45 00'	0'7500	1'2500	1'4577
			453	38 39'	64 54'	53 08'	59 02'	34 27'	"	1'3333	1'6667	2'1344
64	V	$\begin{Bmatrix} 7 & 4 \\ 10 & 3 \\ 7 & 4 \\ 8 & 10 \end{Bmatrix}$	7'8'10	41 11'	46 45'	34 59'	38 39'	28 39'	33 14'	0'7000	0'8000	1'0630
			7'10'8	34 59'	56 45'	41 11'	51 20'	"	43 15'	0'8750	1'2500	1'5258
			8'10'7	38 39'	61 20'	48 49'	55 00'	33 14'	"	1'1429	1'4286	1'8294
65	W	$\begin{Bmatrix} 5 & 11 \\ 11 & 11 \\ 10 & 11 \\ 11 & 7 \end{Bmatrix}$	10'11'14	42 16'	46 43'	35 32'	38 09'	29 19'	32 35'	0'7143	0'7857	1'0619
			10'14'11	35 32'	57 24'	42 16'	51 50'	"	43 17'	0'9091	1'2727	1'5640
			11'14'10	38 09'	60 41'	47 43'	54 27'	32 35'	"	1'1000	1'4000	1'7805
66	U	$\begin{Bmatrix} 2 & 3 \\ 11 & 11 \\ 2 & 11 \\ 2 & 11 \end{Bmatrix}$	2'5'11	21 48'	26 05'	10 18'	24 26'	9 24'	24 05'	0'1818	0'4545	0'4896
			2'11'5	10 18'	65 54'	21 48'	65 33'	"	63 55'	0'4000	2'2000	2'2360
			5'11'2	24 26'	80 36'	68 12'	79 41'	24 05'	"	2'5000	5'5000	6'0416
67	Q	$\begin{Bmatrix} 3 & 7 \\ 11 & 13 \\ 3 & 13 \\ 7 & 13 \end{Bmatrix}$	3'7'13	23 12'	30 22'	12 59'	28 18'	11 29'	27 41'	0'2308	0'5385	0'5858
			3'13'7	12 59'	62 19'	23 12'	61 42'	"	59 38'	0'4286	1'8572	1'9059
			7'13'3	28 18'	78 31'	66 48'	77 00'	27 41'	"	2'3333	4'3333	4'9216

Pyrochlor.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{Bmatrix} 0 \\ 0\infty \end{Bmatrix}$	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
			010	0° 00'	90 00'	"	90 00'	"	90 00'	"	∞	∞
2	d	$\begin{Bmatrix} 01 \\ \infty \end{Bmatrix}$	011	"	45 00'	"	45 00'	"	45 00'	"	1'0000	1'0000
			110	45 00'	90 00'	90 00'	90 00'	45 00'	"	1'0000	∞	∞
3	m	$\begin{Bmatrix} \frac{1}{3} \\ 13 \end{Bmatrix}$	113	"	25 14'	18 26'	18 26'	17 33'	17 33'	0'3333	0'3333	0'4714
			131	18 26'	72 27'	45 00'	71 34'	"	64 45'	1'0000	3'0000	3'1623
4	q	$\begin{Bmatrix} \frac{1}{2} \\ 12 \end{Bmatrix}$	112	45 00'	35 16'	26 34'	26 34'	24 05'	24 05'	0'5000	0'5000	0'7071
			121	26 34'	65 54'	45 00'	63 26'	"	54 44'	1'0000	2'0000	2'2360
5	p	1	111	45 00'	54 44'	"	45 00'	35 16'	35 16'	"	1'0000	1'4142

Pyrochroit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 1.4002$	$lg c = 0.14619$	$lg a_0 = 0.09237$	$lg p_0 = 9.97010$	$a_0 = 1.2370$	$p_0 = 0.9355$	(G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	p	+1	1121	30° 00	58 16	38 57	54 28	25 10	47 26	0.8084	1.4002	1.6168

Pyromorphit.

Hexagonal. Pyramidal-hemiedrisch.

$c = 1.275$	$lg c = 0.10551$	$lg a_0 = 0.13305$	$lg p_0 = 9.92942$	$a_0 = 1.3585$	$p_0 = 0.8500$	(G_1)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	x	10	1011	0 00	40 22	0 00	40 22	0 00	40 22	o	0.8500	0.8500
5	z	20	2021	"	59 32	"	59 32	"	59 32	"	1.7000	1.7000
6	v	40	4041	"	73 36	"	73 36	"	73 36	"	3.4000	3.4000
7	r	1	1121	30 00	55 49	36 21	51 53	24 26	45 45	0.7361	1.2750	1.4722

Pyrosmalith.

Hexagonal. Holloedrisch.

$c = 1.838$	$lg c = 0.26435$	$lg a_0 = 9.97421$	$lg p_0 = 0.08826$	$a_0 = 0.9423$	$p_0 = 1.2253$	(G_1)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	x	$\frac{1}{2}$ 0	1012	"	31 29	"	31 29	"	31 29	"	0.6127	0.6127
4	z	10	1011	"	50 47	"	50 47	"	50 47	"	1.2253	1.2253

Pyroxen-Gruppe

Enstatit. Bronzit. Hypersthen.

Rhombisch.

$a = 1.0308$	$\lg a = 0.01322$	$\lg a_0 = 0.24347$	$\lg p_0 = 9.75653$	$a_0 = 1.7517$	$p_0 = 0.5709$
$c = 0.5885$	$\lg c = 9.76975$	$\lg b_0 = 0.23025$	$\lg q_0 = 9.76975$	$b_0 = 1.6992$	$q_0 = 0.5885$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	η	$\frac{4}{3}\infty$	410	75 33	"	"	90° 00	75 33	14 27	3.8800	∞	"
5	ϱ	$\frac{2}{3}\infty$	520	67 35	"	"	"	67 35	22 24	2.4250	"	"
6	n	2∞	210	62 44	"	"	"	62 44	27 16	1.9400	"	"
7	ζ	$\frac{3}{2}\infty$	530	58 15	"	"	"	58 15	31 44	1.6167	"	"
8	a	$\frac{2}{3}\infty$	320	55 30	"	"	"	55 30	34 30	1.4550	"	"
9	m	∞	110	44 07	"	"	"	44 07	35 52	0.9700	"	"
10	β	$\infty\frac{3}{2}$	230	32 53	"	"	"	32 53	57 06	0.6467	"	"
11	z	$\infty\frac{2}{3}$	120	25 52	"	"	"	25 52	64 07	0.4850	"	"
12	δ	$\infty\frac{3}{2}$	250	21 12	"	"	"	21 12	68 47	0.3880	"	"
13	λ	$\infty 3$	130	17 55	"	"	"	17 55	72 05	0.3233	"	"
14	d	02	021	0 00	49 39	0 00	49 39	0 00	49 39	0	1.1770	1.1770
15	f	0 $\frac{3}{2}$	052	"	55 48	"	55 48	"	55 48	"	1.4712	1.4712
16	φ	$\frac{1}{2}0$	106	90 00	5 26	5 26	0 00	5 26	0 00	0.0951	0	0.0951
17	h	$\frac{1}{2}0$	104	"	8 07	8 07	"	8 07	"	0.1426	"	0.1426
18	γ	$\frac{3}{4}0$	207	"	9 16	9 16	"	9 16	"	0.1631	"	0.1631
19	k	$\frac{1}{2}0$	102	"	15 56	15 56	"	15 56	"	0.2854	"	0.2854
20	q	$\frac{2}{3}0$	203	"	20 50	20 50	"	20 50	"	0.3806	"	0.3806
21	l	$\frac{3}{4}0$	304	"	23 10	23 10	"	23 10	"	0.4281	"	0.4281
22	z	$\frac{4}{3}0$	405	"	24 33	24 33	"	24 33	"	0.4459	"	0.4459
23	t	10	101	"	29 43	29 43	"	29 43	"	0.5841	"	0.5841
24	g	20	201	"	48 47	48 47	"	48 47	"	1.1409	"	1.1409
25	v	30	301	"	59 43	59 43	"	59 43	"	1.7126	"	1.7126
26	r	$\frac{3}{2}1$	522	67 35	57 04	54 59	30 28	55 53	18 39	1.4271	0.5885	1.5437
27	p	21	211	62 44	52 06	48 47	"	44 32	21 11	1.1417	"	1.2844
28	u	$\frac{3}{2}1$	322	55 30	46 06	40 34	"	36 25	24 05	0.8563	"	1.0390
29	e	$\frac{3}{2}1$	433	52 17	43 53	37 16	"	33 16	25 05	0.7611	"	0.9621
30	o	1	111	44 07	39 21	29 43	"	26 12	27 04	0.5708	"	0.8199
31	σ	$\frac{3}{4}1$	233	32 53	35 01	20 50	"	18 09	28 48	0.3806	"	0.7008
32	e	$\frac{1}{2}1$	122	25 52	33 11	15 56	"	13 49	29 30	0.2854	"	0.6541
33	i	12	121	"	52 36	29 43	49 39	20 17	45 37	0.5708	1.1770	1.3081

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
34	x	2	221	44° 07'	58° 37'	48° 47'	49° 39'	36° 28'	37° 47'	1'1417	1'1770	1'6308
35	r	$\frac{2}{3}$	223	"	28 39'	20 50'	21 25'	19 30'	20 08'	0'3806	0'3923	0'5466
36	ξ	$\frac{1}{2}$ 2	142	13 18	50 27'	15 56	49 39'	10 28'	48 32'	0'2854	1'1770	1'2111
37	ψ	24	241	25 52'	69 05'	48 47'	66 59'	24 03'	57 11'	1'1417	2'3540	2'6162
38	π	23	231	32 53'	64 34'	"	60 28'	29 22'	49 19'	"	1'7655	2'1025
39	s	$\frac{2}{3}$ 2	263	17 55'	51 03'	20 50'	49 39'	13 50'	47 43'	0'3806	1'1770	1'2370
40	y	$\frac{3}{2}$ 2	342	36 02'	55 30'	40 34'	"	29 00'	41 48'	0'8563	"	1'4555

Pyroxen-Gruppe

Akmit.

Monoklin.

a = 1'0998	lg a = 004131	lg a ₀ = 026229	lg p ₀ = 973771	a ₀ = 1'8293	p ₀ = 0'5467
c = 0'6012	lg c = 977902	lg b ₀ = 022098	lg q ₀ = 975996	b ₀ = 1'6633	q ₀ = 0'5754
$\mu_{180-\beta} = \frac{1}{2} 73^\circ 09'$	lg h = 998094	lg e = 946220	lg p ₀ = 997775	h = 0'9571	e = 0'2899

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' =tg ϱ
1	b	0∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
2	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
3	z	5∞	510	78 06'	"	"	90 00	78 06'	11 53'	4'7503	∞	"
4	f	3∞	310	70 40'	"	"	"	70 40'	19 20'	2'8502	"	"
5	L	$\frac{7}{2}$ ∞	730	65 43'	"	"	"	65 43'	24 17'	2'2168	"	"
6	m	∞	110	44 51'	"	"	"	44 51'	45 09'	0'9500	"	"
7	p	—10	101	90 00	15 01'	15 01'	0 00	15 01'	0 00	0'2683	0	0'2683
8	H	— $\frac{3}{2}$ 0	302	"	28 59'	28 59'	"	28 59'	"	0'5539	"	0'5539
9	s	—1	111	24 03'	33 21'	15 01'	31 01'	12 57'	30 08'	0'2683	0'6012	0'6584
10	λ	—3	331	38 02'	66 24'	34 40'	60 59'	34 22'	46 12'	1'4107	1'8036	2'2848
11	O	—6	661	40 54'	78 10'	72 15'	74 30'	39 51'	47 43'	3'1245	3'6072	4'7722
12	Ω	—8	881	41 34'	81 09'	76 48'	78 15'	40 58'	47 39'	4'2670	4'8096	6'4296
13	Q	—16	161	4 15'	74 33'	15 01'	74 30'	4 06'	73 59'	0'2683	3'6072	3'6172
14	K	—19	191	2 50'	79 32'	"	79 31'	2 47'	79 10'	"	5'4107	5'4174
15	S	—31	311	66 55'	56 53'	34 40'	31 01'	50 24'	19 10'	1'4107	0'6012	1'5335
16	P	+26	261	21 50'	75 34'	55 19'	74 30'	21 07'	64 01'	1'4454	3'6072	3'8860

Pyroxen-Gruppe

Diopsid.

Monoklin.

$a = 1.0934$	$\lg a = 0.03878$	$\lg a_0 = 0.26837$	$\lg p_0 = 0.73163$	$a_0 = 1.8551$	$p_0 = 0.5390$
$c = 0.5894$	$\lg c = 0.77041$	$\lg b_0 = 0.22959$	$\lg q_0 = 0.975358$	$b_0 = 1.6966$	$q_0 = 0.5670$
$\mu = 1.180 - \beta$	$\lg h = 0.998317$	$\lg e = 0.943635$	$\lg p_0 = 0.997805$	$h = 0.9620$	$e = 0.2731$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
1	c	0	001	90° 00'	15° 51'	15° 51'	0° 00'	15° 51'	0° 00'	0.2839	0	0.2839
2	b	00	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	00	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	z	50	510	78 07	"	"	90 00	78 07	11 53	4.7535	∞	"
5	f	30	310	70 41	"	"	"	70 41	19 19	2.8521	"	"
6	g	20	210	62 15	"	"	"	62 15	27 44	1.9014	"	"
7	m	8	110	43 33	"	"	"	43 33	46 27	0.9507	"	"
8	w	22	120	25 25	"	"	"	25 25	64 34	0.4753	"	"
9	i	23	130	17 35	"	"	"	17 35	72 25	0.3169	"	"
10	A	25	150	10 46	"	"	"	10 46	79 14	0.1901	"	"
11	.A	27	170	7 44	"	"	"	7 44	82 16	0.1358	"	"
12	X	0 $\frac{1}{2}$	015	67 27	17 05	15 51	6 43	15 45	6 28	0.2839	0.1178	0.3074
13	e	01	011	25 43	33 11	"	30 31	13 44	29 33	"	0.5894	0.6542
14	z	02	021	13 32	50 29	"	49 41	10 14	48 35	"	1.1785	1.2125
15	π	04	041	6 52	67 10	"	67 01	6 19	66 12	"	2.3576	2.3747
16	y	+10	101	90 00	40 10	40 10	0 00	40 10	0 00	0.8442	0	0.8442
17	A	+20	201	"	54 33	54 33	"	54 33	"	1.4046	"	1.4046
18	F	+30	301	"	63 01	63 01	"	63 01	"	1.9649	"	1.9649
19	I	+20	702	"	65 59	65 59	"	65 59	"	2.2450	"	2.2450
20	M	+40	401	"	68 26	68 26	"	68 26	"	2.5253	"	2.5253
21	ψ	+50	501	"	72 02	72 02	"	72 02	"	3.0856	"	3.0856
22	q	-30	301	90 00	54 24	54 24	"	54 24	"	1.3972	"	1.3972
23	G	-20	201	"	39 55	39 55	"	39 55	"	0.8368	"	0.8368
24	H	-30	302	"	29 06	29 06	"	29 06	"	0.5565	"	0.5565
25	B	-40	403	"	24 51	24 51	"	24 51	"	0.4632	"	0.4632
26	p	-10	101	"	15 27	15 27	"	15 27	"	0.2764	"	0.2764
27	n	-30	102	90 00	0 13	0 13	"	0 13	"	0.0037	"	0.0037
28	u	+1	111	55 04	45 50	40 10	30 31	36 01	24 15	0.8442	0.5894	1.0296
29	Γ	+31	311	73 18	64 00	63 01	"	59 25	14 58	1.9647	"	2.0512
30	κ	+71	711	82 01	76 45	76 37	"	74 34	7 46	4.2060	"	4.2471
31	V	-31	311	67 07	56 35	54 24	"	50 16	18 56	1.3970	"	1.5163
32	t	-21	211	54 50	45 40	39 55	"	35 47	24 19	0.8367	"	1.0234
33	s	-1	111	25 07	33 04	15 27	"	13 23	29 36	0.2764	"	0.6510

No.	Buch- staben	Symb. Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' = $\frac{1}{\sin \varphi}$
34	x	-2	321	35° 22'	55° 19'	39° 55'	49° 41'	28° 25'	42° 07'	0.8367	1.1788
35	d	+13	131	25 31	62 58	40 10	60 30	22 34	53 29	0.8442	1.1788
36	q	+1½	252	29 48	59 30	"	55 50	25 22	48 23	"	1.4735
37	μ	+12	121	35 36	55 24	"	49 41	28 38	42 00	"	1.1788
38	K	-1½	414	61 56	17 23	15 27	8 23	15 17	8 05	0.2764	0.1473
39	θ	-1½	313	54 36	18 44	"	11 07	15 10	10 43	"	0.1964
40	e	-12	121	13 12	50 27	"	49 41	10 08	48 39	"	1.1788
41	L	-13	131	8 53	60 48	"	60 30	7 45	59 36	"	1.7682
42	γ	-15	151	5 21	71 20	"	71 15	5 04	70 36	"	2.9470
43	S	+½	119	79 17	19 24	19 05	3 45	19 03	3 32	0.3461	0.0655
44	T	+½	117	76 58	20 29	20 00	4 49	19 56	4 31	0.3639	0.0842
45	σ	+½	112	62 25	32 28	29 25	16 25	28 25	14 24	0.5640	0.2947
46	v	+2	221	49 59	61 23	54 33	49 41	42 15	34 22	1.4045	1.1788
47	r	+½	552	48 49	65 55	59 18	55 50	43 24	36 57	1.6846	1.4735
48	w	+3	331	48 01	69 16	63 01	60 30	44 03	38 44	1.9647	1.7682
49	h	+4	441	46 58	73 51	68 24	67 01	44 36	40 57	2.5251	2.3576
50	δ	+5	551	46 19	76 48	72 02	71 15	44 45	42 15	3.0853	2.9470
51	λ	-3	331	38 19	66 04	50 24	60 30	34 31	45 49	1.3970	1.7682
52	o	-2	221	41 47	57 41	46 29	49 41	34 16	39 04	1.0533	1.1788
53	ρ	-½	885	33 00	48 21	31 29	43 19	24 01	38 48	0.6126	0.9430
54	ψ	-½	332	32 11	46 15	29 06	41 29	22 38	37 41	0.5565	0.8841
55	ν	-½	223	10 16	26 41	5 07	26 19	4 35	26 14	0.0896	0.4947
56	ξ	-½	335	8 24	19 40	2 58	19 28	2 49	19 27	0.0523	0.3536
57	τ	-½	112	0 44	16 25	0 13	16 25	0 12	16 25	0.0037	0.2947
58	O	-½	113	26 18	12 21	5 32	11 07	5 26	11 04	0.0971	0.1964
59	Φ	+½	152	20 57	57 38	29 26	55 50	17 34	52 04	0.5640	1.4735
60	N	+½	132	32 32	46 22	29 25	41 29	22 54	37 36	"	0.8841
61	R	-½	132	0 14	41 29	0 13	"	0 10	41 29	0.0037	"
62	θ	-½	142	0 11	49 41	"	49 41	0 08	49 41	"	1.1788
63	U	-½	152	0 08	55 50	"	55 50	0 07	55 50	"	1.4735
64	l	+24	241	30 47	69 58	54 33	67 01	28 44	35 49	1.4045	2.3576
65	ζ	-½	483	16 25	58 36	24 51	57 32	13 58	54 58	0.4632	1.5718
66	Ξ	-10	1210	62 39	14 23	12 50	6 43	12 45	6 33	0.2278	0.1179
67	η	+42	421	64 58	70 15	68 24	49 41	58 31	23 28	2.5251	1.1788
68	P	+½	134	43 48	31 29	22 58	23 51	21 12	22 09	0.4239	0.4420
69	Q	+½	136	52 00	25 35	20 40	16 25	19 53	15 25	0.3772	0.2947
70	t	+35	351	33 41	74 14	63 01	71 15	32 16	53 12	1.9647	2.9470
71	a	+½	312	75 19	49 17	48 21	16 25	47 10	11 05	1.1243	0.2947
72	k	-½	312	62 06	32 12	29 06	"	28 06	14 26	0.5565	"
73	a	-½	465	27 45	38 38	20 25	35 16	16 54	33 32	0.3722	0.7073
74	b	-½	235	34 29	23 28	14 09	19 28	13 22	18 55	0.2521	0.3536
75	c	-½	354	10 29	36 50	7 45	36 23	6 16	36 07	0.1363	0.7367
76	b	-½	687	16 15	35 03	11 06	38 58	9 15	33 28	0.1963	0.6736
77	e	-½	347	7 24	18 45	2 30	18 37	2 22	18 36	0.0437	0.3368
78	g	+½	732	4 15	42 22	12 39	41 29	9 33	40 47	0.2245	0.8841

Pyroxen-Gruppe Pektolith.

Monoklin.

$a = 1.1140$	$\lg a = 0.04689$	$\lg a_o = 0.05284$	$\lg p_o = 9.94716$	$a_o = 1.1294$	$p_o = 0.8854$
$c = 0.9864$	$\lg c = 9.99405$	$\lg b_o = 0.00595$	$\lg q_o = 9.99217$	$b_o = 1.0138$	$q_o = 0.9821$
$\mu = \left. \begin{matrix} 180^\circ - \beta \\ 84^\circ 40' \end{matrix} \right\}$	$\lg h = \left. \begin{matrix} 9.99812 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 8.96825 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_o}{q_o} = 9.95499$	$h = 0.9957$	$e = 0.0929$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00	5° 20	5° 20	0° 00	5° 20	0° 00	0.0933	0	0.0933
2	a	$\infty 0$	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	k	$\frac{3}{4} \infty$	540	48 25	"	"	90 00	48 25	41 35	1.1270	∞	"
4	l	$\infty \frac{4}{3}$	340	34 04	"	"	"	34 04	55 56	0.6761	"	"
5	w	$\infty 4$	140	12 42	"	"	"	12 42	77 18	0.2254	"	"
6	v	$+\frac{1}{10}$	101	90 00	44 30	44 30	0 00	44 30	0 00	0.9826	0	0.9826
7	n	$-\frac{1}{10}$	102	90 00	19 21	19 21	"	19 21	"	0.3512	"	0.3512
8	t	-10	101	"	38 31	38 31	"	38 31	"	0.7959	"	0.7959
9	r	$-\frac{3}{10}$	301	"	68 46	68 46	"	68 46	"	2.5746	"	2.5746
10	n	$-\frac{3}{10}$	322	51 31	57 45	51 08	44 36	41 27	31 45	1.2406	0.9864	1.5849

Pyroxen-Gruppe Wollastonit.

Monoklin.

$a = 1.0531$	$\lg a = 0.02247$	$\lg a_o = 0.03677$	$\lg p_o = 9.96323$	$a_o = 1.0884$	$p_o = 0.9188$
$c = 0.9676$	$\lg c = 9.98570$	$\lg b_o = 0.01430$	$\lg q_o = 9.98370$	$b_o = 1.0335$	$q_o = 0.9632$
$\mu = \left. \begin{matrix} 180^\circ - \beta \\ 84^\circ 30' \end{matrix} \right\}$	$\lg h = \left. \begin{matrix} 9.99800 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 8.98157 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_o}{q_o} = 9.97953$	$h = 0.9954$	$e = 0.0958$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	u	0	001	90° 00	5° 30	5° 30	0° 00	5° 30	0° 00	0.0963	0	0.0963
2	c	$\infty 0$	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	d	$\frac{3}{4} \infty$	830	68 32	"	"	"	68 32	21 27	2.5439	∞	"
4	z	$\frac{3}{4} \infty$	320	55 03	"	"	"	55 03	34 57	1.4310	"	"
5	k	$\infty \frac{4}{3}$	540	50 01	"	"	"	50 01	39 59	1.1924	"	"
6	e	$\infty 4$	110	43 39	"	"	"	43 39	46 21	0.9539	"	"

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
7	l	$\infty \frac{1}{2}$	340	35° 35'	90° 00'	90° 00'	90° 00'	35° 35'	54° 25'	0° 7154'	∞	∞
8	x	$\infty 2$	120	25° 30'	"	"	"	25° 30'	64° 30'	0° 4770'	"	"
9	g	01	011	5° 41'	44° 12'	5° 30'	44° 03'	3° 57'	43° 55'	0° 0963'	0° 9676'	0° 9724'
10	v	$+\frac{1}{2} 10$	101	90° 00'	45° 33'	45° 33'	0° 00'	45° 33'	0° 00'	1° 0193'	0	1° 0193'
11	w	$+\frac{1}{2} 0$	102	"	29° 09'	29° 09'	"	29° 09'	"	0° 5577'	"	0° 5577'
12	q	$-\frac{1}{2} 0$	103	90° 00'	11° 56'	11° 56'	"	11° 56'	"	0° 2114'	"	0° 2114'
13	a	$-\frac{1}{2} 0$	102	"	20° 03'	20° 03'	"	20° 03'	"	0° 3652'	"	0° 3652'
14	a	$-\frac{3}{2} 0$	305	"	24° 35'	24° 35'	"	24° 35'	"	0° 4575'	"	0° 4575'
15	t	-10	101	"	39° 35'	39° 35'	"	39° 35'	"	0° 8267'	"	0° 8267'
16	s	-20	201	"	60° 15'	60° 15'	"	60° 15'	"	1° 7498'	"	1° 7498'
17	r	-30	301	"	69° 29'	69° 29'	"	69° 29'	"	2° 6727'	"	2° 6727'
18	i	$-\frac{1}{2} 0$	11° 0' 2	"	78° 23'	78° 23'	"	78° 23'	"	4° 9804'	"	4° 9804'
19	f	-1	111	40° 31'	51° 50'	39° 35'	44° 03'	30° 43'	36° 43'	0° 8268'	0° 9676'	1° 2727'
20	h	$+\frac{1}{2} 1$	122	29° 57'	48° 09'	29° 09'	"	21° 50'	40° 12'	0° 5577'	"	1° 1160'
21	m	$-\frac{1}{2} 1$	122	20° 41'	45° 58'	20° 04'	"	14° 42'	42° 16'	0° 3653'	"	1° 0342'
22	n	$-\frac{3}{2} 1$	322	53° 05'	58° 10'	52° 11'	"	42° 48'	30° 41'	1° 2883'	"	1° 6112'

Pyroxen-Gruppe Babingtonit.

Triklin.

$p_0 = 1'6350$	$\lambda = 87^\circ 28'$	$a = 1'1167$	$\alpha = 93^\circ 48'$	$x_0 = 0'3802$	$d = 0'3827$
$q_0 = 1'6921$	$\mu = 67^\circ 48'$	$b = 1$	$\beta = 112^\circ 22'$	$y_0 = 0'0442$	$\delta = 83^\circ 22'$
$r_0 = 1$	$\nu = 92^\circ 36'$	$c = 1'8257$	$\gamma = 86^\circ 09'$	$h = 0'9239$	

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	a	0	001	83° 22'	22° 30'	22° 22'	2° 44'	22° 20'	2° 32'	0° 4115'	0° 0478'	0° 4143'
2	c	$\infty \infty$	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
3	b	$\infty 0$	100	92° 36'	"	90° 00'	90° 00'	87° 24'	2° 36'	22° 022'	"	"
4	o	∞	110	45° 16'	"	"	90° 00'	45° 16'	44° 43'	1° 0096'	"	"
5	s	$\infty \infty$	110	137° 53'	"	"	90° 00'	42° 06'	47° 53'	0° 9247'	"	"
6	d	01	011	12° 21'	61° 32'	22° 22'	28° 61'	10° 56'	60° 05'	0° 4115'	1° 8790'	1° 9235'
7	q	10	101	90° 52'	65° 21'	65° 21'	1° 53'	65° 20'	0° 47'	2° 1794'	0° 0330'	2° 1790'
8	r	$\frac{1}{2} 0$	102	79° 27'	25° 40'	25° 17'	5° 02'	25° 12'	4° 33'	0° 4723'	0° 0880'	0° 4805'
9	l	$\frac{3}{2} 0$	203	82° 28'	37° 44'	37° 29'	5° 47'	37° 21'	4° 36'	0° 7671'	0° 1014'	0° 7738'

Pyroxen-Gruppe

Rhodonit.

Triklia.

$p_0 = 1.5843$	$\lambda = 86^\circ 29$	$a = 1.1550$	$\alpha = 94^\circ 42$	$x_0 = 0.3650$	$d = 0.3701$
$q_0 = 1.7089$	$\mu = 68^\circ 46$	$b = 1$	$\beta = 111^\circ 27$	$y_0 = 0.0614$	$\delta = 80^\circ 26$
$r_0 = 1$	$\nu = 92^\circ 21$	$c = 1.8317$	$\gamma = 86^\circ 06$	$h = 0.9290$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	a	0	001	80° 27	21° 43'	21° 27	3° 47	21° 24'	3° 31	0.3929	0.0661	0.3984
2	c	∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	b	∞0	100	92 21	"	90 00	90 00	87 39	2 21	24.367	"	"
4	d	∞3	130	17 22	"	"	90 00	17 22	72 38	0.3127	"	"
5	t	∞2	120	25 16	"	"	"	25 16	64 43	0.4721	"	"
6	o	∞	110	43 55	"	"	"	43 55	46 05	0.9629	"	"
7	f	2∞	210	120 08	"	"	90 00	59 51	30 08	1.7220	"	"
8	g	3/2∞	320	127 15	"	"	"	52 44	37 15	1.3145	"	"
9	s	∞∞	110	138 15	"	"	"	41 45	48 15	0.8924	"	"
10	e	∞2	120	155 33	"	"	"	24 26	65 33	0.4545	"	"
11	x	01	011	11 39	62 48	21 27	62 18	10 21	60 35	0.3929	1.9056	1.9457
12	π	0 1/2	012	21 44	46 42	"	44 35	15 38	42 32	"	0.9858	1.0612
13	m	0 1/2	012	155 17	43 13	"	40 29	16 38	38 28	"	0.8536	0.9397
14	k	01	011	167 30	61 10	"	60 35	10 55	58 47	"	1.7734	1.8164
15	i	02	021	173 47	74 37	"	74 31	5 59	73 26	"	3.6130	3.6343
16	q	10	101	90 06	64 30	64 30	0 13	64 30	0 05	2.0968	0.0038	2.0969
17	p	1/20	102	88 34	51 14	51 13	1 47	51 12	1 07	1.2449	0.0311	1.2453
18	u	1/30	103	62 57	11 07	9 56	5 06	9 53	5 02	0.1751	0.0894	0.1966
19	r	1/30	102	77 35	25 10	24 39	5 46	24 33	5 15	0.9160	0.1011	0.4701
20	l	1/30	203	81 22	36 55	36 37	6 26	36 26	5 10	0.7430	0.1127	0.7516
21	n	10	101	84 04	52 49	52 40	7 44	52 25	4 43	1.2813	0.1360	1.3181
22	μ	1	111	48 48	70 15	64 30	61 25	45 05	38 19	2.0968	1.8356	2.7868
23	γ	11	111	131 19	70 17	"	61 31	45 00	38 26	"	1.8433	2.7919
24	φ	1	111	142 25	65 03	52 40	59 35	33 34	45 56	1.2813	1.7036	2.1496
25	θ	1/3	113	55 41	49 19	43 51	33 15	38 47	25 18	0.9609	0.6559	1.1635
26	ρ	1/2	112	52 37	57 27	51 13	43 33	42 03	30 46	1.2449	0.9508	1.5665
27	δ	1 1/2	134	133 29	61 02	52 40	51 12	39 24	37 01	1.3111	1.2437	1.8071
28	w	1 1/3	153	3 10	72 26	9 56	72 25	3 01	72 10	0.1751	3.1553	3.1601

Quarz.

Hexagonal. Trapezoedrisch-tetartoeidrisch.

$$c = 1.9051 \quad | \quad \lg c = 0.27991 \quad | \quad \lg a_0 = 9.95865 \quad | \quad \lg p_0 = 0.10382 \quad | \quad a_0 = 0.9092 \quad | \quad p_0 = 1.2701 \quad (G_1)$$

No.	Buchstaben	Symb.	Bravais	φ	ρ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tg ρ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	∞ 0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	A:	$1\frac{1}{3}\infty$	11.8.19.0	24 47'	"	"	"	24 47'	65 12'	0.4619	"	"
5	B:	$2\frac{2}{3}\infty$	3250	23 25	"	"	"	23 25	66 35	0.4330	"	"
6	C:	$\frac{4}{3}\infty$	8.5.13.0	22 24'	"	"	"	22 24'	67 35'	0.4123	"	"
7	D:	$\frac{2}{3}\infty$	7.4.11.0	21 03	"	"	"	21 03	68 57	0.3849	"	"
8	E:	2∞	2130	19 06'	"	"	"	19 06'	70 53'	0.3464	"	"
9	F:	$\frac{3}{2}\infty$	5270	16 06	"	"	"	16 06	73 54	0.2887	"	"
10	G:	3∞	3140	13 54	"	"	"	13 54	76 06	0.2474	"	"
11	H:	5∞	5160	8 57	"	"	"	8 57	81 03	0.1575	"	"
12	M	$+\frac{1}{3}0$	1019	0 00	8 02	0 00	8 02	0 00	8 02	0	0.1411	0.1411
13	v	$-\frac{2}{3}0$	2.0.2.13	"	11 03'	"	11 03'	"	11 03'	"	0.1954	0.1954
14	ξ	$-\frac{1}{3}0$	1013	"	22 56'	"	22 56'	"	22 56'	"	0.4233	0.4233
15	p π	$+\frac{1}{2}0$	1012	"	32 25	"	32 25	"	32 25	"	0.6350	0.6350
16	r ρ	$+\frac{1}{2}0$	1011	"	51 47'	"	51 47'	"	51 47'	"	1.2701	1.2701
17	q	$+\frac{1}{6}0$	11.0.11.10	"	54 24'	"	54 24'	"	54 24'	"	1.3970	1.3970
18	n	$+\frac{2}{3}0$	9098	"	55 01	"	55 01	"	55 01	"	1.4288	1.4288
19	m μ	$+\frac{2}{3}0$	6065	"	56 44	"	56 44	"	56 44	"	1.5241	1.5241
20	l λ	$+\frac{2}{3}0$	5054	"	57 47'	"	57 47'	"	57 47'	"	1.5876	1.5876
21	k τ	$+\frac{4}{3}0$	4043	"	59 26	"	59 26	"	59 26	"	1.6934	1.6934
22	G	$+\frac{1}{6}0$	13.0.13.9	"	61 24'	"	61 24'	"	61 24'	"	1.8345	1.8345
23	t	$+\frac{1}{3}0$	7075	"	60 39	"	60 39	"	60 39	"	1.7781	1.7781
24	j σ	$+\frac{2}{3}0$	3032	"	62 18	"	62 18	"	62 18	"	1.9051	1.9051
25	i	$+\frac{2}{3}0$	5053	"	64 43	"	64 43	"	64 43	"	2.1168	2.1168
26	F	$+\frac{2}{3}0$	7074	"	65 46'	"	65 46'	"	65 46'	"	2.2226	2.2226
27	E	$+\frac{1}{3}0$	13.0.13.7	"	67 01'	"	67 01'	"	67 01'	"	2.3586	2.3586
28	h π	$+\frac{1}{2}0$	2021	"	68 30'	"	68 30'	"	68 30'	"	2.5401	2.5401
29	χ	$-\frac{1}{6}0$	13.0.13.6	"	70 01'	"	70 01'	"	70 01'	"	2.7518	2.7518
30	ψ	$-\frac{2}{3}0$	7073	"	71 21	"	71 21	"	71 21	"	2.9635	2.9635
31	ω	$-\frac{2}{3}0$	5052	"	72 31	"	72 31	"	72 31	"	3.1751	3.1751
32	ϵ	$+\frac{1}{4}0$	11.0.11.4	"	74 01'	"	74 01'	"	74 01'	"	3.4926	3.4926
33	g θ	$+\frac{3}{2}0$	3031	"	75 17'	"	75 17'	"	75 17'	"	3.8102	3.8102
34	Γ	$+\frac{2}{3}0$	23.0.23.7	"	76 31'	"	76 31'	"	76 31'	"	4.1730	4.1730
35	η	$+\frac{2}{3}0$	7072	"	77 19'	"	77 19'	"	77 19'	"	4.4452	4.4452

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
36	D	$+\frac{1}{4}0$	15°0'15'4	0°00	78°08'	0°00	78°08'	0°00	78°08'	0	4'7627	4'7627
37	fz	$\pm\frac{1}{4}0$	4041	"	78 52	"	78 52	"	78 52	"	5'0802	5'0802
38	A	$-\frac{1}{4}0$	14°0'14'3	"	80 25'	"	80 25'	"	80 25'	"	5'9270	5'9270
39	ee	$+\frac{1}{2}0$	5051	"	81 03	"	81 03	"	81 03	"	6'3503	6'3503
40	d	$+\frac{1}{2}0$	11°0'11'2	"	81 51	"	81 51	"	81 51	"	6'9852	6'9852
41	cδ	$\pm\frac{1}{2}0$	6061	"	82 31'	"	82 31'	"	82 31'	"	7'6203	7'6203
42	γ	$-\frac{1}{2}0$	13°0'13'2	"	83 05'	"	83 05'	"	83 05'	"	8'2552	8'2552
43	Cβ	$\pm\frac{1}{2}0$	7071	"	83 35	"	83 35	"	83 35	"	8'8904	8'8904
44	Bα	$+\frac{1}{2}0$	8081	"	84 23	"	84 23	"	84 23	"	10'160	10'160
45	A	$+\frac{1}{2}0$	9091	"	85 00	"	85 00	"	85 00	"	11'430	11'430
46	T	$+\frac{1}{2}0$	10°0'10'1	"	85 30	"	85 30	"	85 30	"	12'701	12'701
47	Ψ	$-\frac{1}{2}0$	11°0'11'1	"	85 54'	"	85 54'	"	85 54'	"	13'970	13'970
48	U	$+\frac{1}{2}0$	12°0'12'1	"	86 15	"	86 15	"	86 15	"	15'241	15'241
49	V	$+\frac{1}{2}0$	13°0'13'1	"	86 32	"	86 32	"	86 32	"	16'510	16'510
50	W	$+\frac{1}{2}0$	15°0'15'1	"	86 59'	"	86 59'	"	86 59'	"	19'051	19'051
51	X	$+\frac{1}{2}0$	16°0'16'1	"	87 15	"	87 15	"	87 15	"	20'794	20'794
52	Ω	$-\frac{1}{2}0$	17°0'17'1	"	87 21	"	87 21	"	87 21	"	21'591	21'591
53	Y	$+\frac{1}{2}0$	18°0'18'1	"	87 29'	"	87 29'	"	87 29'	"	22'860	22'860
54	Z	$+\frac{1}{2}0$	28°0'28'1	"	88 23'	"	88 23'	"	88 23'	"	35'562	35'562
55	μ:	$\frac{1}{3}$	1123	30 00	36 15	20 08	32 25	17 12	30 48	0'3666	0'6350	0'7333
56	ξ:	$\frac{1}{3}$	1122	"	47 43'	28 48'	43 36'	21 43	39 51	0'5499	0'9525	1'0999
57	σ:	$\frac{2}{3}$	2243	"	55 42'	36 15	51 47	24 24	45 41	0'7333	1'2701	1'4664
58	s	1	1121	"	65 33	47 43'	62 18	27 04'	52 02	1'0999	1'9051	2'1998
59	α·R	$\pm\frac{2}{3}$	2133	19 06'	48 14'	20 08	46 37'	14 08	44 49	0'3666	1'0584	1'1201
60	b:	$+\frac{8}{11}\frac{3}{11}$	8'3'11'11	15 17'	48 40'	16 42	47 38'	11 25'	46 25	0'3000	1'0968	1'1371
61	Q:	$-\frac{3}{4}\frac{1}{4}$	3144	13 54	48 51'	15 22'	48 01	10 25'	46 58'	0'2750	1'1113	1'1448
62	P:	$-\frac{7}{9}\frac{2}{9}$	7299	12 13	49 07	13 44	48 28	9 12'	47 38'	0'2444	1'1289	1'1551
63	S:	$-\frac{9}{10}\frac{1}{10}$	9'1'10'10	5 12'	50 29	6 16'	50 21	4 01	50 10'	0'1100	1'2065	1'2116
64	m·M	$\pm\frac{1}{12}\frac{1}{12}$	11'1'12'12	4 18'	50 40'	5 14	50 35'	3 20	50 28'	0'0917	1'2171	1'2206
65	b:	$-\frac{1}{5}$	9'1'10'9	5 12'	53 23'	6 58	53 17	4 11	53 04'	0'1222	1'3406	1'3461
66	e:	$-\frac{1}{4}$	7187	6 35	53 52'	8 56	53 41'	5 19	53 21	0'1571	1'3608	1'3698
67	f:	$-\frac{1}{6}$	6176	7 35'	54 13'	10 23	53 59'	6 09	53 32	0'1833	1'3759	1'3880
68	g:	$-\frac{1}{8}$	5165	8 57	54 44	12 24'	54 24'	7 18	53 45'	0'2200	1'3970	1'4142
69	h:	$-\frac{1}{10}$	4154	10 53'	55 30'	15 57'	55 00'	8 57'	54 01'	0'2750	1'4288	1'4550
70	i:	$-\frac{1}{15}$	3143	13 54	56 46	20 08	55 59	11 35'	54 17'	0'3666	1'4817	1'5264
71	N·t	$\pm\frac{1}{2}$	2132	19 06'	59 14'	28 48'	57 47'	16 20	"	0'5499	1'5875	1'6801
72	L:	$+\frac{1}{2}$	3253	23 25	61 33	36 15	59 26	20 27	53 47	0'7333	1'6934	1'8453
73	K:	$+\frac{1}{3}$	4374	25 17	62 37'	39 31	60 12	22 17'	53 25	0'8249	1'7463	1'9313
74	l:	$-\frac{1}{4}$	5495	26 20	63 15	41 20'	60 38'	23 20	53 10	0'8799	1'7781	1'9839
75	J:	$+\frac{1}{6}$	6'5'11'6	27 00	63 39	42 30'	60 56	24 00	52 59	0'9166	1'7992	2'0192
76	W:	$-\frac{1}{12}$	12'11'23'11	28 33'	66 30'	47 43'	63 40	26 00'	53 39'	1'0999	2'0205	2'3005
77	L:	$-\frac{1}{3}$	7'5'12'5	24 30	69 20'	"	67 29'	22 50	55 22	"	2'4131	2'6519
78	f:	$-\frac{3}{10}$	3252	23 25	70 08	"	68 30'	21 56'	59 39'	"	2'5459	2'7680
79	H:	$+\frac{1}{10}$	8'5'13'5	22 24'	70 53	"	69 27	21 06'	60 52	"	2'6671	2'8849
80	G·P	$\pm\frac{1}{3}$	5383	21 47	71 21	"	70 01'	20 35'	61 37'	"	2'7518	2'9634

No.	Buch- staben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	χ (Prismen) (x: y)	y	d = tge
81	F t	+21	2131	19°06'	73°25'	47°43'	72°31'	18°17'	64°55'	1'0999	3'1751	3'3602
82	Q	-12 1	13'6'19'6	17 59	74 19	"	73 33	17 18	66 18	"	3'3868	3'5609
83	R	-2 1	7'3'10'3	17 00	75 07	"	74 28	16 24	67 33	"	3'5985	3'7628
84	S	-2 1	8'3'11'3	15 17	76 31	"	76 02	14 52	69 43	"	4'0218	4'1695
85	u u	+31	3141	13 54	77 41	"	77 19	13 34	71 30	"	4'4452	4'5792
86	T	-2 1	7292	12 13	79 06	"	78 52	11 59	73 41	"	5'0802	5'1979
87	y n	-41	4151	10 53	80 15	"	80 04	10 44	75 25	"	5'7152	5'8201
88	x z	+51	5161	8 57	81 57	"	81 51	8 51	77 59	"	6'9852	7'0729
89	v	+71	7181	6 35	84 03	"	84 00	6 33	81 08	"	9'5254	9'5885
90	X	-12 1	12'1'13'1	3 58	86 24	"	86 24	3 57	84 39	"	15'875	15'913
91	B	-21 1	21'1'22'1	2 18	87 54	"	87 54	2 18	86 52	"	27'306	27'328
92	M	+2 1	4156	10 53	44 07	10 24	43 36	7 33	43 08	0'1833	0'9525	0'9700
93	B	+2 1	2134	19 06	40 03	15 22	38 26	12 09	37 26	0'2749	0'7938	0'8401
94	S	-2 1	2135	"	33 54	12 24	32 25	10 31	31 48	0'2200	0'6350	0'6720
95	Y	+2 1	6173	7 35	70 11	20 08	70 01	7 08	68 50	0'3666	2'7517	2'7761
96	Z	+2 1	4152	10 53	71 02	28 48	70 42	10 17	68 13	0'5499	2'8576	2'9101
97	Q	+3 1	21'5'26'7	10 26	77 00	38 09	76 48	10 10	73 23	0'7856	4'2637	4'3355
98	S	-12 3	19'15'34'5	26 07	82 24	73 08	81 33	25 52	62 52	3'2997	6'7312	7'4905
99	II	-38 3	38'3'41'1	3 46	88 51	"	88 51	3 46	86 04	"	50'167	50'275
100	Φ	-47 3	47'3'50'1	3 04	89 04	"	89 04	3 04	86 48	"	61'597	61'686
101	E	56 3	56'3'59'1	2 35	89 13	"	89 13	2 35	87 18	"	73'028	73'102
102	A	-92 3	92'3'95'1	1 33	89 31	"	89 31	1 33	88 22	"	118'75	118'79
103	P	+9 1	18'1'19'2	2 41	85 08	28 48	85 08	2 40	84 26	0'5499	11'748	11'761
104	O	+2 1	21'1'22'2	2 18	85 49	"	85 48	2 18	85 13	"	13'653	13'664
105	F	+2 1	41'1'42'37	1 12	54 56	1 42	54 56	0 58	54 55	0'0297	1'4245	1'4245
106	H	+2 1	21'1'22'17	2 18	58 07	3 42	58 05	1 57	58 02	0'0647	1'6062	1'6075
107	J	+12 1	19'1'20'15	2 32	58 49	4 11	58 48	2 10	58 44	0'0733	1'6510	1'6527
108	M	+11 1	11'1'12'7	4 18	64 27	8 56	64 23	3 53	64 07	0'1571	2'0865	2'0924
109	E	+23 3	23'3'26'11	6 03	70 38	16 42	70 32	5 42	69 44	0'3000	2'8288	2'8447
110	N	+2 1	14'1'15'4	3 25	77 46	15 22	77 44	3 20	77 18	0'2749	4'6039	4'6122
111	L	+11 1	11'1'12'8	4 18	61 21	7 50	61 17	3 48	61 04	0'1375	1'8257	1'8308
112	K	+3 1	12'1'13'9	3 58	60 30	6 58	60 27	3 28	60 16	0'1222	1'7640	1'7674
113	R	+4 1	8'1'9'10	5 49	47 20	6 16	47 11	4 16	47 01	0'1115	1'0795	1'0851
114	S	+2 1	7298	12 13	52 25	15 22	41 47	9 39	50 46	0'2749	1'2701	1'2905
115	I	+5 1	10'5'15'2	19 06	83 12	70 01	82 49	18 58	69 46	2'7494	7'9378	8'4000
116	G	+6 1	66'10'76'11	6 57	83 06	45 00	83 02	6 54	80 12	0'9999	8'1973	8'2583
117	Θ	-8 1	16'15'31'2	28 56	86 38	83 05	86 10	28 52	60 53	8'2492	14'923	17'051
118	D	+6 1	61'3'04'4	2 23	87 07	39 31	87 07	2 22	86 15	0'8249	19'844	19'861
119	A	-8 3	8'2'10'9	10 53	52 17	13 44	41 47	8 36	50 58	0'2444	1'2701	1'2934
120	F	-17 3	17'5'22'18	12 31	54 38	16 59	53 59	10 11	52 46	0'3055	1'3758	1'4094
121	B	+13 3	13'3'16'7	10 09	69 29	25 14	69 11	9 30	67 12	0'4714	2'6307	2'6726
122	C	+23 3	23'3'26'14	6 03	65 54	13 15	65 46	5 31	65 11	0'2357	2'2226	2'2351
123	A	+37 3	37'3'40'31	3 51	57 41	6 04	57 37	3 15	57 28	0'1064	1'5773	1'5800

Quenstedtit.

Monoklin.

$a = 0.6661$	$\lg a = 982354$	$\lg a_0 = 000578$	$\lg p_0 = 999422$	$a_0 = 1.0134$	$p_0 = 0.9869$
$c = 0.6573$	$\lg c = 981776$	$\lg b_0 = 018224$	$\lg q_0 = 980835$	$b_0 = 1.5214$	$q_0 = 0.6432$
$\mu = 178^\circ 07'$	$\lg h = 999059$ $\lg \sin \mu$	$\lg e = 931370$ $\lg \cos \mu$	$\lg \frac{p_0}{q_0} = 018587$	$h = 0.9786$	$e = 0.2059$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
1	b	0∞	010	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	0	∞	\sim
2	q	$\frac{2}{3}\infty$	530	$68^\circ 38'$	"	$90^\circ 00'$	"	$68^\circ 38'$	$21^\circ 21'$	2.5569	"	"
3	r	$\frac{3}{2}\infty$	320	$66^\circ 29'$	"	"	"	$66^\circ 29'$	$23^\circ 31'$	2.3012	"	"
4	s	∞	110	$56^\circ 54'$	"	"	"	$56^\circ 54'$	$33^\circ 06'$	1.5341	"	"
5	u	$\infty\frac{2}{3}$	780	$53^\circ 19'$	"	"	"	$53^\circ 19'$	$36^\circ 41'$	1.3424	"	"
6	v	$\infty\frac{4}{3}$	340	$49^\circ 00'$	"	"	"	$49^\circ 00'$	$40^\circ 59'$	1.1506	"	"
7	w	$\infty\frac{3}{2}$	230	$45^\circ 39'$	"	"	"	$45^\circ 39'$	$44^\circ 21'$	1.0227	"	"
8	m	$0\frac{2}{3}$	035	$28^\circ 05'$	$24^\circ 05'$	$11^\circ 53'$	$21^\circ 31'$	$11^\circ 04'$	$21^\circ 06'$	0.2104	0.3944	0.4470
9	p	01	011	$17^\circ 45'$	$34^\circ 37'$	"	$33^\circ 19'$	$9^\circ 58'$	$32^\circ 45'$	"	0.6573	0.6902

Ralstonit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\tan \varrho$
1	c	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\begin{array}{l} 001 \\ 010 \end{array}$	$\begin{array}{l} - \\ 0^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0^\circ 00' \\ " \end{array}$	$\begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array}$	$\begin{array}{l} 0 \\ " \end{array}$	$\begin{array}{l} 0 \\ \infty \end{array}$	$\begin{array}{l} 0 \\ \infty \end{array}$
2	p	1	111	$45^\circ 00'$	$54^\circ 44'$	$45^\circ 00'$	$45^\circ 00'$	$35^\circ 16'$	$35^\circ 16'$	1.0000	1.0000	1.4142

Rammelsbergit.

Rhomboisch.

$$\lg \frac{p_0}{q_0} = 026977; \quad \frac{p_0}{q_0} = 1.8611; \quad \frac{a}{b} = 0.5373$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\tan \varrho$
1	m	∞	110	$61^\circ 45'$	$90^\circ 00'$	$90^\circ 00'$	$90^\circ 00'$	$61^\circ 45'$	$28^\circ 15'$	1.8611	∞	∞

Raspit.

Monoklin.

$a = 1.3493$	$\lg a = 0.13010$	$\lg a_0 = 0.08430$	$\lg p_0 = 9.91570$	$a_0 = 1.2142$	$p_0 = 0.8235$
$c = 1.1112$	$\lg c = 0.04580$	$\lg b_0 = 9.95420$	$\lg q_0 = 0.02478$	$b_0 = 0.8999$	$q_0 = 1.0587$
$\mu = \left. \begin{matrix} 180 \\ -\beta \end{matrix} \right\} 72^\circ 19'$	$\left. \begin{matrix} \lg h \\ \lg \sin \mu \end{matrix} \right\} 9.97898$	$\left. \begin{matrix} \lg e \\ \lg \cos \mu \end{matrix} \right\} 9.48252$	$\lg \frac{p_0}{q_0} = 9.89092$	$h = 0.9527$	$e = 0.3037$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	c	0	001	90° 00'	17° 41'	17° 41'	0° 00'	17° 41'	0° 00'	0.3188	0	0.3188
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	d	01	011	16 00'	49 08'	17 41'	48 01'	12 02'	46 38'	0.3188	1.1112	1.1561
5	e	10	101	90 00	28 37'	28 37'	0 00	28 37'	0 00	0.5456	0	0.5456

Realgar.

Monoklin.

$a = 0.7202$	$\lg a = 9.85745$	$\lg a_0 = 0.17046$	$\lg p_0 = 9.82954$	$a_0 = 1.4807$	$p_0 = 0.6754$
$c = 0.4864$	$\lg c = 9.68699$	$\lg b_0 = 0.31301$	$\lg q_0 = 9.64800$	$b_0 = 2.0560$	$q_0 = 0.4446$
$\mu = \left. \begin{matrix} 180 \\ -\beta \end{matrix} \right\} 66^\circ 05'$	$\left. \begin{matrix} \lg h \\ \lg \sin \mu \end{matrix} \right\} 9.96101$	$\left. \begin{matrix} \lg e \\ \lg \cos \mu \end{matrix} \right\} 9.60789$	$\lg \frac{p_0}{q_0} = 0.18154$	$h = 0.9141$	$e = 0.4054$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	c	0	001	90° 00'	23° 55'	23° 55'	0° 00'	23° 55'	0° 00'	0.4435	0	0.4435
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	χ	3∞	310	77 37'	"	"	90 00	77 37'	12 22'	4.5568	∞	"
5	i	2∞	210	71 47'	"	"	"	71 47'	18 13'	3.0379	"	"
6	a	$\frac{3}{2}\infty$	320	66 18'	"	"	"	66 18'	23 42'	2.2784	"	"
7	g	$\frac{4}{3}\infty$	540	62 13'	"	"	"	62 13'	27 46'	1.8987	"	"
8	l	0	110	56 38'	"	"	"	56 38'	33 21'	1.5189	"	"
9	β	$\infty\frac{1}{2}$	340	48 43'	"	"	"	48 43'	41 16'	1.1392	"	"
10	w	$\infty\frac{3}{2}$	230	45 21'	"	"	"	45 21'	44 38'	1.0126	"	"
11	γ	$\infty\frac{4}{3}$	350	42 21'	"	"	"	42 21'	47 39'	0.9113	"	"
12	m	∞2	120	37 13'	"	"	"	37 13'	52 47'	0.7595	"	"
13	h	$\infty\frac{2}{3}$	370	33 04'	"	"	"	33 04'	56 56'	0.6510	"	"
14	ζ	$\infty\frac{3}{2}$	250	31 17'	"	"	"	31 17'	58 43'	0.6076	"	"

No.	Buchstaben.	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y'	d' =tge
15	v	$\infty 3$	130	26° 51'	90° 00'	90° 00'	90° 00'	26° 51'	63° 09'	0° 5063	∞	∞
16	μ	$\infty 4$	140	20 47'	"	"	"	20 47'	69 12'	0° 3797'	"	"
17	δ	$\infty 5$	150	16 54	"	"	"	16 54	73 06	0° 3038	"	"
18	r	01	011	42 21'	33 21'	23 55'	25 56'	21 44'	23 58'	0° 4435	0° 4864	0° 6582
19	s	0 $\frac{3}{2}$	032	31 17'	40 29'	"	36 07'	19 42'	33 42'	"	0° 7296	0° 8538
20	q	02	021	24 30'	46 55'	"	44 12'	17 38'	41 39'	"	0° 9728	1° 0691
21	y	03	031	16 54'	56 45'	"	54 34'	14 04'	53 08'	"	1° 4592	1° 5251
22	X	05	051	10 20	67 58'	"	67 39'	9 34'	65 47'	"	2° 4320	2° 4720
23	z	+10	101	90 00	49 46'	49 46'	0 00	49 46'	0 00	1° 1823	0	1° 1823
24	x	-10	101	90 00	16 28	16 28	"	16 28	"	0° 2953'	"	0° 2953'
25	z	-20	201	"	45 58	45 58	"	45 58	"	1° 0342	"	1° 0342
26	f	+1	111	67 38'	51 58	49 46'	25 56'	46 45'	17 26'	1° 1823	0° 4864	1° 2785
27	G	+ $\frac{1}{2}$	112	73 20'	40 19	39 06'	13 40	38 18'	10 41	0° 8129	0° 2432	0° 8485
28	J	- $\frac{1}{2}$	112	16 56	14 16	4 14	"	4 07	13 38	0° 0740'	"	0° 2542
29	n	-1	111	31 16	29 38'	16 27'	25 56'	14 52'	25 00'	0° 2953'	0° 4864	0° 5691
30	H	-2	221	46 45	54 50'	45 58	44 12'	36 33	34 04	1° 0341	0° 9728	1° 4198
31	B	+1 $\frac{2}{3}$	15 2 15	86 51'	49 49	49 46'	3 42'	49 43	2 24	1° 1823	0° 0648	1° 1841
32	C	-1 $\frac{1}{3}$	313	61 14	18 37	16 27'	9 12'	16 15'	8 50'	0° 2953'	0° 1621	0° 3369
33	D	-1 $\frac{1}{2}$	212	50 32	20 56	"	13 40	16 01	13 08	"	0° 2432	0° 3826
34	E	-1 $\frac{3}{2}$	232	22 02'	38 12'	"	36 07	13 25	34 59	"	0° 7296	0° 7871
35	e	-12	121	16 53'	45 28'	"	44 12'	11 57	43 01	"	0° 9728	1° 0166
36	k	-13	131	11 26'	56 07	"	55 34'	9 29	54 27	"	1° 4592	1° 4888
37	F	-14	141	8 38	63 04	"	62 48	7 41'	61 49	"	1° 9456	1° 9679
38	Φ	-18	181	4 20'	75 37'	"	75 35	4 12'	75 00	"	3° 8912	3° 9023
39	A	- $\frac{1}{2}$ 1	122	8 39'	26 12	4 14	25 56'	3 48'	25 52'	0° 0740'	0° 4864	0° 4920
40	d	-21	211	64 49	48 49	45 58	"	42 55'	18 41	1° 0341	"	1° 1429
41	t	-31	311	74 39'	61 27'	60 34'	"	57 54	13 26'	1° 7730	"	1° 8386
42	p	-41	411	79 02'	68 39	68 17'	"	66 07'	10 12	2° 5119	"	2° 5585
43	π	- $\frac{1}{2}$ 2	142	4 21	44 17'	4 14	44 12'	3 02'	44 08	0° 0740'	0° 9728	0° 9756
44	K	-23	231	35 19'	60 47'	45 58	55 34'	30 19	45 24'	1° 0341	1° 4592	1° 7885

Reddingit.

Rhombisch.

a = 0° 9148	lga = 996134	lg a ₀ = 993842	lg p ₀ = 006158	a ₀ = 0.8678	p ₀ = 1.1523
c = 1° 0542	lg c = 002292	lg b ₀ = 997708	lg q ₀ = 002292	b ₀ = 0° 9486	q ₀ = 1° 0542

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tge
1	b	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	p	1	111	47° 33	57 22	49 03	46 30'	38 25	34 38'	1° 1523	1° 0542	1° 5618
3	q	2	221	"	72 15	66 32'	64 37'	44 39'	40 00'	2° 3047	2° 1084	3° 1236
4	r	12	121	28 39'	67 24	49 03	"	26 17	54 06'	1° 1523	"	2° 4028
5	s	1 $\frac{3}{2}$	232	36 05	62 56	"	57 41'	31 38	46 01'	"	1° 5813	1° 9566
6	t	1 $\frac{1}{2}$	212	65 25	51 43'	"	27 47'	45 33	19 03'	"	0° 5271	1° 2672

Reinit.**Tetragonal.**

$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 1.279$	$lg c = 0.10687$	$lg a_o = 9.89313$	$a_o = 0.7819$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	$\frac{x}{(Prismen)} (x:y)$	y	d =tg ϱ
1	e	01	011	0° 00	51° 59	0° 00	51° 59	0° 00	51° 59	0	1.2790	1.2790
2	p	1	111	45° 00	61° 04	51° 59	"	38° 14	38° 14	1.2790	"	1.8087

Rhodizit.**Regulär. Tetraedrisch-hemiedrisch.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	$\frac{x}{(Prismen)} (x:y)$	y	d =tg ϱ
1	d	$\begin{matrix} 01 \\ \infty \end{matrix}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0° 00 \\ 45° 00 \end{matrix}$	$\begin{matrix} 45° 00 \\ 90° 00 \end{matrix}$	$\begin{matrix} 0° 00 \\ 90° 00 \end{matrix}$	$\begin{matrix} 45° 00 \\ 90° 00 \end{matrix}$	$\begin{matrix} 0° 00 \\ 45° 00 \end{matrix}$	$\begin{matrix} 45° 00 \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1.0000 \end{matrix}$	$\begin{matrix} 1.0000 \\ \infty \end{matrix}$	$\begin{matrix} 1.0000 \\ \infty \end{matrix}$
2	pp'	± 1	111	"	54° 44	45° 00	45° 00	35° 16	35° 16	"	1.0000	1.4142

Rinkit.**Monoklin.**

a = 1.5688	lga = 0.19556	lga _o = 0.72988	lgp _o = 9.27012	a _o = 5.3689	p _o = 0.1863
c = 0.2922	lgc = 9.46568	lgb _o = 0.53432	lgq _o = 9.46568	b _o = 3.4223	q _o = 0.2921
$\mu = \left. \begin{matrix} 88° 47' \\ 180 - \beta \end{matrix} \right\}$	$\left. \begin{matrix} lgh = \\ lg \sin \mu \end{matrix} \right\} 9.99990$	$\left. \begin{matrix} lge = \\ lg \cos \mu \end{matrix} \right\} 8.32702$	lgP _o = 9.80454	h = 0.9998	e = 0.0212

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	$\frac{x'}{(Prismen)} (x:y)$	y'	d' =tg ϱ
1	r	∞	100	90° 00	90° 00	90° 00	0° 00	90° 00	0° 00	∞	0	∞
2	s	$\frac{3}{2}\infty$	320	43° 43'	"	"	90° 00	43° 43'	46° 16'	0.9563	∞	"
3	M	∞	110	32° 31'	"	"	"	32° 31'	57° 29'	0.6376	"	"
4	h	$\infty 2$	120	17° 41'	"	"	"	17° 41'	72° 19'	0.3188	"	"
5	n	± 10	101	90° 00	11° 43'	11° 43'	0° 00	11° 43'	0° 00	0.2075	0	0.2075
6	m	-10	101	90° 00	9° 23'	9° 23'	"	9° 23'	"	0.1651	"	0.1651
7	o	± 34	341	26° 23'	52° 32'	30° 07'	49° 27'	20° 39'	45° 19'	0.5800	1.1688	1.3048

Römerit.

Triklin.

$p_0 = 0.4018$	$\lambda = 81^\circ 17'$	$a = 2.6425$	$\alpha = 99^\circ 53'$	$x_0 = 0.0805$	$d = 0.1716$
$q_0 = 1.0746$	$\mu = 89^\circ 36'$	$b = 1$	$\beta = 94^\circ 30'$	$y_0 = 0.1515$	$\delta = 28^\circ 00'$
$r_0 = 1$	$\nu = 115^\circ 40'$	$c = 0.9684$	$\gamma = 63^\circ 57'$	$h = 0.9852$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' = $\operatorname{tg} \varrho$
1	a	0	001	28° 00'	9° 53'	4° 40'	8° 44'	4° 37'	8° 43'	0.0818	0.1538	0.1742
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	c	$\infty 0$	100	115 40	"	90 00	90 00	64 20	35 40	2.0810	"	"
4	q	∞	110	21 54	"	"	90 00	21 54	68 05	0.4021	"	"
5	n	2 ∞	210	44 54	"	"	"	44 54	45 05	0.9968	"	"
6	s	3 ∞	310	63 02	"	"	"	63 02	26 57	1.9661	"	"
7	t	1 $\frac{1}{2}$ ∞	18.5 0	71 01	"	"	"	71 01	18 58	2.9089	"	"
8	l	4 \sim	410	75 21	"	"	"	75 21	14 38	3.8282	"	"
9	e	$\infty \infty$	110	163 49	"	"	90 00	16 10	73 49	0.2900	"	"
10	μ	0 $\frac{2}{3}$	023	5 18	41 30	4 40	41 23	3 30	41 17	0.0818	0.8809	0.8847
11	m	01	011	175 00	43 14	"	43 08	3 25	43 02	"	0.9370	0.9406
12	y	$\frac{4}{3} 0$	805	100 53	34 18	33 49	7 20	33 36	6 06	0.6699	0.1288	0.6822
13	x	10	101	40 52	23 36	15 57	18 17	15 11	17 37	0.2859	0.3304	0.4370

Romëit.

Tetragonal.

$\frac{c}{p_0} = 1.0257$	$\lg c = 0.01102$	$\lg a_0 = 9.98898$	$a_0 = 0.9749$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d = $\operatorname{tg} \varrho$
1	e	1	111	45° 00'	55° 25'	45° 43'	45° 43'	35° 36'	35° 36'	1.0257	1.0257	1.4505

Roselith.

Triklin.

$p_0 = 0.6914$	$\lambda = 89^\circ 20'$	$a = 1.3121$	$\alpha = 90^\circ 40'$	$x_0 = 0.0176$	$d = 0.0211$
$q_0 = 0.9092$	$\mu = 89^\circ 00'$	$b = 1$	$\beta = 91^\circ 00'$	$y_0 = 0.0116$	$\delta = 56^\circ 29'$
$r_0 = 1$	$\nu = 90^\circ 35'$	$c = 0.9072$	$\gamma = 89^\circ 26'$	$h = 0.9998$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	$d' = \operatorname{tg} \varrho$
1	A	000	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
2	C	000	100	90° 35'	"	90° 00'	90° 00'	89° 25'	0° 25'	137° 51'	"	"
3	ζ	000	340	29° 50'	"	"	90° 00'	29° 50'	60° 09'	0° 5737	"	"
4	ν	000	110	37° 27'	"	"	"	37° 27'	52° 32'	0° 7663	"	"
5	φ	000	320	49° 05'	"	"	"	49° 05'	40° 55'	1° 1538	"	"
6	η	000	310	66° 49'	"	"	"	66° 49'	23° 11'	2° 3352	"	"
7	e	000	310	114° 09'	"	"	90° 00'	65° 50'	24° 09'	3° 2294	"	"
8	f	000	320	131° 34'	"	"	"	48° 26'	41° 34'	1° 1275	"	"
9	i	000	110	142° 58'	"	"	"	37° 02'	52° 58'	0° 7545	"	"
10	z	000	340	150° 27'	"	"	"	29° 33'	60° 27'	0° 5670	"	"
11	?m	000	012	2° 09'	25° 01'	1° 00'	25° 00'	0° 54'	25° 00'	0° 0176	0° 4663	0° 4666
12	?M	000	012	177° 43'	23° 55'	"	23° 54'	0° 55'	23° 53'	"	0° 4431	0° 4434
13	d	100	104	87° 01'	10° 48'	10° 47'	0° 34'	10° 47'	0° 33'	0° 1905	0° 0099	0° 1907
14	Δ	100	104	85° 06'	8° 51'	8° 49'	0° 46'	8° 49'	0° 45'	0° 1552	0° 0133	0° 1558
15	L	100	323	49° 15'	45° 06'	35° 20'	31° 25'	31° 11'	26° 29'	0° 6930	0° 6108	0° 9300
16	S	100	212	57° 04'	40° 11'	"	24° 40'	32° 48'	20° 32'	"	0° 4593	0° 8449
17	σ	100	212	122° 24'	40° 01'	"	24° 14'	32° 53'	20° 09'	"	0° 4501	0° 8349
18	λ	100	323	130° 18'	42° 55'	"	31° 02'	31° 17'	26° 08'	"	0° 6016	0° 9300
19	s	100	212	54° 55'	39° 28'	33° 58'	25° 19'	31° 21'	21° 25'	0° 6739	0° 4733	0° 8236
20	Σ	100	212	122° 54'	38° 45'	"	23° 33'	31° 42'	19° 53'	"	0° 4361	0° 8028
21	Λ	100	323	130° 05'	41° 48'	"	30° 26'	30° 09'	25° 59'	"	0° 5876	0° 8442
22	Ω	100	112	143° 15'	28° 45'	18° 10'	23° 44'	16° 43'	22° 40'	0° 3282	0° 4396	0° 5486
23	o	100	112	34° 56'	29° 49'	"	25° 10'	16° 32'	24° 03'	"	0° 4698	0° 5731
24	?G	100	114	38° 46'	16° 55'	10° 47'	13° 20'	10° 30'	13° 07'	0° 1905	0° 2372	0° 3042
25	g	100	114	32° 49'	16° 00'	8° 49'	13° 32'	8° 35'	13° 22'	0° 1552	0° 2406	0° 2864
26	Π	100	812	98° 35'	70° 13'	70° 00'	22° 32'	68° 30'	8° 04'	2° 7487	0° 4151	2° 7708
27	p	100	812	79° 48'	70° 18'	"	26° 18'	67° 54'	9° 35'	"	0° 4943	2° 7928

Rosenbuschit.

Monoklin.

a = 1.1687	lg a = 006770	lg a ₀ = 008218	lg p ₀ = 991782	a ₀ = 1.2083	p ₀ = 0.8276
c = 0.9672	lg c = 998552	lg b ₀ = 001448	lg q ₀ = 997627	b ₀ = 1.0339	q ₀ = 0.9468
$\mu = \frac{1}{180} - \beta \} 78^\circ 13'$	$\lg h = \frac{1}{\lg \sin \mu} \} 999075$	$\lg e = \frac{1}{\lg \cos \mu} \} 931008$	$\lg \frac{p_0}{q_0} = 994155$	h = 0.9789	e = 0.2042

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = tge
1	c	0	001	90° 00'	11° 47'	11° 47'	0° 00'	11° 47'	0° 00'	0.2086	0	0.2086
2	a	∞0	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	h	$\frac{5}{4}\infty$	540	47 32	"	"	90 00	47 32	42 28	1.0926	∞	"
4	s	30	301	90 00	55 59'	55 59'	0 00	55 59'	0 00	1.4822	0	1.4822

Rothbleierz.

Monoklin.

a = 0.9602	lg a = 998236	lg a ₀ = 001994	lg p ₀ = 998006	a ₀ = 1.0470	p ₀ = 0.9551
c = 0.9171	lg c = 996242	lg b ₀ = 003758	lg q ₀ = 995192	b ₀ = 1.0904	q ₀ = 0.8952
$\mu = \frac{1}{180} - \beta \} 77^\circ 27'$	$\lg h = \frac{1}{\lg \sin \mu} \} 998950$	$\lg e = \frac{1}{\lg \cos \mu} \} 933704$	$\lg \frac{p_0}{q_0} = 002814$	h = 0.9761	e = 0.2173

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = tge
1	c	0	001	90° 00'	12° 33'	12° 33'	0° 00'	12° 33'	0° 00'	0.2226	0	0.2226
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	a	3∞	310	72 39	"	"	90 00	72 39	17 21	3.2008	∞	"
5	d	2∞	210	64 53'	"	"	"	64 53'	25 06'	2.1339	"	"
6	m	∞	110	46 51'	"	"	"	46 51'	43 08'	1.0670	"	"
7	z	$\infty \frac{3}{2}$	350	32 37'	"	"	"	32 37'	57 22'	0.6401	"	"
8	f	$\infty 2$	120	28 05	"	"	"	28 05	61 55	0.5335	"	"
9	w	$0 \frac{1}{2}$	012	25 54	27 00'	12 33	24 38	11 26'	24 07	0.2226	0.4585	0.5097
10	z	01	011	13 38'	43 20'	"	42 31'	9 19	41 50	"	0.9171	0.9437
11	y	02	021	6 55	61 34'	"	61 24	6 05	60 49	"	1.8342	1.8476
12	h	+10	101	90 00	50 13	50 13	0 00	50 13	0 00	1.2011	0	1.2011
13	e	$+\frac{3}{2}0$	502	"	69 25	69 25	"	69 25	"	2.6627	"	2.6627
14	n	$+\frac{4}{2}0$	401	"	76 24'	76 24'	"	76 24'	"	4.1365	"	4.1365
15	z	$+\frac{8}{2}0$	801	"	82 55	82 55	"	82 55	"	8.0503	"	8.0503

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
16	θ	—60	601	90°00	79°57'	79°57'	0°00	79°57'	0°00	5'6483	0	5'6483
17	ϵ	—50	501	"	77 55	77 55	"	77 55	"	4'6697	"	4'6697
18	l	—40	401	"	74 50	74 50	"	74 50	"	3'6912	"	3'6912
19	x	—30	301	"	69 46	69 46	"	69 46	"	2'7128	"	2'7128
20	k	—10	101	"	37 05	37 05	"	37 05	"	0'7558	"	0'7558
21	t	+1	111	52 38	56 30	50 13	42 31	41 31	30 24	1'2011	0'9171	1'5112
22	N	+71	711	82 36	82 01	81 57	"	79 08	7 19	7'0720	"	7'1312
23	ψ	+91	911	84 12	83 43	83 41	"	81 27	5 46	9'0288	"	9'0752
24	c	+11'1	11'11	85 14	84 49	84 48	"	82 57	4 45	10'9855	"	11'024
25	r	—91	911	83 54	83 23	83 21	"	81 01	6 03	8'5836	"	8'6324
26	A	—51	511	78 53	78 08	77 55	"	73 48	10 52	4'6697	"	4'7589
27	ξ	—41	411	76 03	75 16	74 50	"	69 49	13 29	3'6912	"	3'8034
28	φ	—31	311	71 19	70 45	69 46	"	63 25	17 36	2'7128	"	2'8637
29	u	—21	211	62 08	62 59	60 02	"	51 58	24 37	1'7343	"	1'9619
30	π	+2	221	49 55	70 39	65 21	61 24	46 13	37 24	2'1795	1'8342	2'8487
31	θ	+3	331	48 56	76 34	72 26	70 01	47 10	39 43	3'1580	2'7513	4'1884
32	s	+4	441	48 26	79 45	76 24	74 45	47 24	40 45	4'1365	3'6684	5'5288
33	λ	— $\frac{1}{2}$	112	30 10	27 56	14 55	24 38	13 37	23 54	0'2666	0'4586	0'5304
34	γ	— $\frac{2}{3}$	223	35 06	36 46	23 15	31 26	20 08	29 19	0'4297	0'6114	0'7473
35	v	—1	111	39 30	49 55	37 05	42 31	29 07	36 11	0'7559	0'9171	1'1609
36	η	+2 $\frac{1}{2}$	412	78 07	65 49	65 21	24 38	63 13	10 49	2'1795	0'4585	2'2272
37	L	+ $\frac{1}{10}$	2'1'10	77 38	23 11	22 42	5 14	22 37	4 50	0'4183	0'0917	0'4282
38	g	+ $\frac{84}{10}$	841	65 30	83 33	82 55	74 45	64 43	24 20	8'0504	3'6684	8'8460
39	i	+ $\frac{1}{3}$	123	41 54	39 24	28 45	31 26	25 05	28 11	0'5487	0'6114	0'8215
40	D	— $\frac{2}{3}$	265	8 43	48 04	9 34	47 44	6 28	47 20	1'6873	1'1005	1'1134
41	Q	+ $\frac{3}{3}$	953	64 12	74 06	72 27	56 48	59 59	24 45	3'1611	1'5285	3'5112
42	r	— $\frac{3}{2}$	612	80 24	70 01	69 46	24 38	67 56	9 01	2'7128	0'4585	2'7512
43	q	+12'4	12'4'1	72 57	85 26	85 13	74 45	72 22	16 59	11'9640	3'6684	12'513
44	Y	—93	9'3'1	72 13	83 40	83 21	70 01	71 10	17 39	8'5836	2'7513	9'0136
45	F	—62	6'2'1	72 00	80 26	79 57	61 24	69 42	17 44	5'6483	1'8342	5'9380
46	β	— $\frac{3}{2}$	312	69 47	52 59	51 14	24 38	48 32	16 01	1'2450	0'4585	1'3268
47	μ	+ $\frac{1}{2}$	154	22 10	51 04	25 03	48 54	17 04	46 05	0'4672	1'1464	1'2380
48	G	+4 $\frac{1}{2}$	812	83 40	76 29	76 24	24 38	75 06	6 09	4'1356	0'4585	4'1609
49	B	—52	521	68 33	78 43	77 55	61 24	65 54	21 00	4'6697	1'8342	5'0170
50	δ	+11'10	11'10'1	50 08	86 00	82 57	83 46	49 58	39 44	10'9855	9'1710	14'311
51	p	— $\frac{1}{3}$	13'1'5	85 29	66 45	66 41	10 23	66 21	4 09	2'3213	0'1834	2'3280
52	R	—18'4	18'4'1	78 05	86 47	86 42	74 45	77 40	11 53	17'3900	3'6684	17'773
53	σ	+ $\frac{3}{2}$	352	36 24	70 39	59 23	66 26	34 03	49 25	1'6902	2'2928	2'8485
54	E	— $\frac{3}{4}$	328	32 10	15 09	8 12	12 55	8 00	12 47	0'1442	0'2293	0'2709
55	M	+ $\frac{2}{3}$	6'10'9	40 37	53 19	41 09	45 32	31 28	37 30	0'8739	1'0190	1'3424
56	H	+ $\frac{4}{5}$	435	61 18	48 54	45 09	28 49	41 22	21 12	1'0054	0'5502	1'1462
57	o	— $\frac{4}{5}$	8'7'10	41 06	40 26	29 15	32 42	25 14	29 15	0'5602	0'6420	0'8520

Rothgiltigerz. Proust.

Hexagonal. Rhomboedrisch-hemiedrisch. Hemimorph.

$c = 0.8034$	$\lg c = 990493$	$\lg a_0 = 033363$	$\lg p_0 = 972884$	$a_0 = 2.1559$	$p_0 = 0.5356$	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
1	o	0	0001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	∞0	1010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	b	∞	1120	30°00	"	90°00	"	30°00	60°00	0.5773	"	"
4	σ	$\frac{2}{3}\infty$	9.8.17.0	28°03'	"	"	"	28°03'	61°56'	0.5329	"	"
5	η	$\frac{2}{3}\infty$	2130	19°06'	"	"	"	19°06'	70°53'	0.3464	"	"
6	ζ	$\frac{2}{3}\infty$	5270	16°06'	"	"	"	16°06'	73°54'	0.2887	"	"
7	δ	4∞	4150	10°53'	"	"	"	10°53'	79°06'	0.1924	"	"
8	q	$\frac{1}{2}\infty$	1012	0°00	14°59'	0°00	14°59'	0°00	14°59'	0	0.2678	0.2678
9	π	10	1011	"	28°10'	"	28°10'	"	28°10'	0.5356	0.5356	0.5356
10	2λ	20	2021	"	46°58'	"	46°58'	"	46°58'	"	1.0712	1.0712
11	2α	40	4041	"	58°06'	"	58°06'	"	58°06'	"	1.6068	1.6068
12	ι	$-\frac{1}{8}$	1128	30°00	6°37'	3°19'	5°44'	3°18'	5°43'	0.0580	0.1004	0.1160
13	2α'	$-\frac{1}{2}$	1125	"	10°30'	5°18'	9°07'	5°14'	9°05'	0.0928	0.1607	0.1855
14	d	$+\frac{1}{4}$	1124	"	13°03'	6°37'	11°21'	6°29'	11°17'	0.1160	0.2008	0.2319
15	2fδ	$\pm\frac{1}{2}$	1122	"	24°53'	13°03'	21°53'	12°08'	21°22'	0.2319	0.4017	0.4638
16	x	$+\frac{3}{8}$	5.5.10.8	"	30°06'	16°10'	26°39'	14°31'	25°45'	0.2899	0.5021	0.5798
17	w	$+\frac{7}{10}$	7.7.14.10	"	32°59'	17°59'	29°21'	15°48'	28°08'	0.3247	0.5624	0.6494
18	v	$+\frac{3}{8}$	5.5.10.6	"	37°42'	21°08'	33°48'	17°48'	31°59'	0.3865	0.6695	0.7731
19	p?κ	± 1	1121	"	42°51'	24°53'	38°46'	19°53'	36°05'	0.4638	0.8034	0.9277
20	z?ρ	$+\frac{3}{8}$	3362	"	54°18'	34°49'	50°19'	23°57'	44°41'	0.6958	1.2051	1.3915
21	φ	-2	2241	"	61°40'	42°51'	58°06'	26°07'	49°40'	0.9277	1.6068	1.8554
22	k	$+\frac{3}{2}$	5.5.10.2	"	66°40'	49°13'	63°32'	27°20'	52°40'	1.1596	2.0085	2.3192
23	d'	$-\frac{7}{2}$	7.7.14.2	"	72°53'	58°22'	70°25'	28°32'	55°51'	1.6235	2.8119	3.2469
24	2m	$+4$	4481	"	74°55'	61°40'	72°43'	28°52'	56°44'	1.8554	3.2136	3.7108
25	Ξ	-5	5.5.10.1	"	77°50'	66°40'	76°01'	29°15'	57°50'	2.3192	4.0170	4.6384
26	2Φ	-14.14	14.14.28.1	"	85°36'	81°15'	84°55'	29°54'	59°42'	6.4938	11.248	12.988
27	h	$-\frac{2}{3}\frac{1}{2}$	2133	19°06'	25°17'	8°47'	24°03'	8°02'	23°48'	0.1546	0.4463	0.4724
28	i	$-\frac{3}{2}\frac{1}{2}$	5277	16°06'	25°32'	7°34'	24°33'	6°52'	24°28'	0.1325	0.4591	0.4778
29	z	$-\frac{4}{3}\frac{1}{2}$	4155	10°53'	26°08'	5°18'	25°44'	4°46'	25°38'	0.0928	0.4820	0.4909
30	j	$-\frac{7}{8}\frac{1}{2}$	7188	6°35'	26°49'	3°19'	26°39'	2°58'	26°37'	0.0580	0.5021	0.5055
31	k	$-\frac{10}{20}\frac{1}{2}$	19.1.20.20	2°32'	27°36'	1°20'	27°35'	1°10'	27°34'	0.0232	0.5222	0.5227
32	o	$+\frac{1}{10}\frac{1}{2}$	19.1.20.19	"	28°49'	1°24'	28°48'	1°13'	28°46'	0.0244	0.5497	0.5502
33	x	$+\frac{1}{10}\frac{1}{2}$	10.1.11.10	4°43'	29°26'	2°39'	29°21'	2°19'	29°20'	0.0464	0.5624	0.5643
34	l	$+\frac{1}{4}$	7187	6°35'	30°08'	3°47'	29°51'	3°17'	29°48'	0.0662	0.5738	0.5777
35	m	$+\frac{1}{10}\frac{1}{2}$	11.2.13.11	8°13'	30°33'	4°49'	30°18'	4°10'	30°12'	0.0843	0.5843	0.5903
36	v	$+\frac{1}{5}$	5165	8°57'	30°49'	5°18'	30°30'	4°34'	30°24'	0.0928	0.5892	0.5964

No.	Buchstaben	Symb.	Bravais	φ	ρ	ξ_0	η_0	ξ	η	χ (Prismen) (x : y)	y	d =tg φ
37	t:	$+1\frac{1}{4}$	4154	10° 53'	31° 32'	6° 37'	31° 04'	3° 40'	30° 54'	0° 1160	0° 6025	0.6136
38	n:	$+1\frac{1}{2}$	13'4'17'13	13 00	32 33	8 07	31 43	6 55	31 27	0° 1427	0° 6180	0° 6343
39	g:	$+1\frac{1}{3}$	3143	13 54	32 46	8 47	32 00	7 28	31 42	0° 1546	0° 6249	0° 6437
40	w:	$+1\frac{2}{3}$	5273	16 06	33 47	10 30	32 44	8 52	32 17	0° 1855	0° 6427	0° 6690
41	e:	$+1\frac{1}{2}$	2132	19 06	35 19	13 03	33 48	10 54	33 06	0° 2319	0° 6695	0° 7085
42	q:	$+1\frac{1}{4}$	7'4'11'7	21 03	36 25	14 50	34 33	12 19	33 39	0° 2650	0° 6886	0° 7374
43	b:	$+1\frac{1}{2}$	3253	23 25	37 53	17 11	35 32	14 07	34 18	0° 3092	0° 7141	0° 7782
44	E:	$+1\frac{1}{2}$	7'4'11'4	21 03	52 14	24 53	50 19	16 30	47 33	0° 4638	1° 2051	1° 2912
45	F:	$+21$	2131	19 06	54 47	"	53 14	15 30	50 32	"	1° 3390	1° 4171
46	H:	$+1\frac{1}{2}$	5272	16 06	59 07	"	58 06	13 46	55 34	"	1° 6067	1° 6724
47	π :	$+1\frac{1}{2}$	13'4'17'4	13 00	64 07	"	63 33	11 41	61 14	"	2° 0085	2° 0613
48	K:	$+41$	4151	10 53	67 50	"	67 28	10 05	65 25	"	2° 4102	2° 4544
49	e:	$+1\frac{1}{2}$	19'4'23'4	9 22	70 40	"	70 25	8 50	68 35	"	2° 8119	2° 8499
50	N:	$+1\frac{1}{2}$	11'2'13'2	8 13	72 53	"	72 42	7 51	71 04	"	3° 2136	3° 2409
51	I:	$+1\frac{1}{2}$	13'2'15'2	7 03	75 10	"	75 04	6 49	73 37	"	3° 7492	3° 7787
52	P:	$+71$	7181	6 35	76 06	"	76 01	6 23	74 39	"	4° 0170	4° 0437
53	Q:	$+1\frac{1}{2}$	15'2'17'2	6 10	76 56	"	76 52	6 01	75 34	"	4° 2848	4° 3098
54	R:	$+81$	8191	5 49	77 40	"	77 36	5 41	76 23	"	4° 5526	4° 5761
55	ζ :	$+1\frac{1}{2}$	17'2'19'2	5 30	78 20	"	78 17	5 23	77 07	"	4° 8203	4° 8427
56	T:	$+10'1$	10'1'11'1	4 43	79 57	"	79 55	4 38	78 54	"	5° 6237	5° 6429
57	ν :	$+4\frac{1}{2}$	43'4'47'4	4 24	80 36	"	80 34	4 20	79 38	"	6° 0254	6° 0433
58	?Z:	$+2\frac{1}{2}$	23'2'25'2	4 07	81 11	"	81 09	4 05	80 16	"	6° 4271	6° 4437
59	U:	$+13'1$	13'1'14'1	3 40	82 08	"	82 07	3 38	81 20	"	7° 2305	7° 2455
60	κ :	$+4\frac{1}{2}$	47'2'49'2	2 04	85 33	"	85 33	2 03	85 06	"	12° 854	12° 863
61	a:	$+8\frac{2}{3}$	8'2'10'5	10 53	44 28	10 30	43 57	7 36	43 28	0° 1855	0° 9641	0° 9818
62	b:	$+7\frac{1}{4}$	7184	6 35	45 18	6 37	45 07	4 41	44 55	0° 1160	1° 0042	1° 0109
63	?c:	$-2\frac{1}{3}$	10'1'11'5	4 43	48 27	5 18	48 21	3 32	48 14	0° 0928	1° 1248	1° 1286
64	n:	$-7\frac{1}{2}$	7'4'11'2	21 03	68 50	42 51	67 28	19 34	60 29	0° 9277	2° 4102	2° 5826
65	i:	-62	6281	13 54	75 29	"	75 04	13 27	70 00	"	3° 7492	3° 8023
66	?q:	-82	8'2'10'1	10 53	78 29	"	78 17	10 40	74 12	"	4° 8203	4° 9079
67	u:	$-7\frac{1}{2}$	14'5'19'10	14 42	42 25	13 03	41 28	9 51	40 43	0° 2319	0° 8837	0° 9136
68	r:	$-1\frac{1}{2}$	17'1'128'7	22 57	61 51	36 05	59 51	20 06	54 17	0° 7289	1° 7216	1° 8695
69	\mathcal{C} :	-31	3141	13 54	62 37	24 53	61 55	12 19	59 32	0° 4638	1° 8743	1° 9311
70	?f:	$-1\frac{1}{2}$	16'4'20'5	10 53	63 00	20 21	62 35	9 41	61 03	0° 3711	1° 9281	1° 9635
71	\mathcal{D} :	$+1\frac{1}{2}$	17'2'19'8	5 30	50 26	6 37	50 19	4 14	50 07	0° 1160	1° 2051	1° 2101
72	\mathcal{E} :	$+2\frac{1}{2}$	29'11'40'5	15 26	75 23	45 35	74 51	14 55	68 52	1° 0205	3° 6957	3° 8340
73	\mathcal{I} :	$+1\frac{1}{2}$	11'5'16'2	17 47	75 14	49 13	74 32	17 11	67 03	1° 1596	3° 6152	3° 7966
74	β :	$+19'16$	19'16'35'1	27 10	86 29	82 19	86 02	27 06	62 37	7° 4215	14° 461	16° 254
75	W:	$+13'10$	13'10'23'1	25 41	84 39	77 50	84 04	25 34	63 47	4° 6384	9° 6407	10° 6699
76	Σ :	$-1\frac{1}{2}$	13'1'14'5	3 40	55 23	5 18	55 20	3 02	55 13	0° 0928	1° 4461	1° 4491
77	e:	$-2\frac{1}{2}$	4152	10 53	50 49	13 03	50 19	8 25	49 34	0° 2319	1° 2051	1° 2272
78	γ :	$-1\frac{1}{2}$	11'5'16'7	17 47	47 19	18 20	45 55	12 58	44 26	0° 3313	1° 0329	1° 0847

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
79	t:	$-\frac{1}{2}\frac{1}{2}$	5274	16°06'	39°54'	13°03'	38°46'	10°15'	38°03'	0°2319	0°8034	0°8362
80	2A	$+\frac{1}{2}\frac{1}{2}$	7185	6 35	38 58	5 18	"	4 08	38 39	0°0928	"	0°8087
81	ξ:	$+\frac{10}{7}\frac{1}{2}$	10°1'11"7	4 43	38 52	3 47	"	2 57	38 43	0°0663	"	0°8061
82	Γ	$+\frac{11}{8}\frac{1}{2}$	11°2'13"8	8 13	39 04	6 37	"	5 10	38 35	0°1160	"	0°8117
83	Σ	$+\frac{1}{3}\frac{1}{2}$	4153	10 53	39 17	8 47	"	6 52	38 27	0°1546	"	0°8181
84	Π	$+\frac{10}{8}\frac{1}{2}$	19°10'29"16	19 50	40 30	16 10	"	12 44	37 39	0°2899	"	0°8541
85	Θ	$+\frac{7}{4}\frac{1}{2}$	14°5'19"8	14 42	48 47	"	47 51	11 00	46 41	"	1°1047	1°1421
86	C:	$+\frac{1}{2}\frac{1}{2}$	4152	10 53	50 49	13 03	50 19	8 25	49 34	0°2319	1°2051	1°2272
87	G	$+\frac{11}{5}\frac{1}{2}$	11°2'13"5	8 13	52 24	10 30	52 07	6 30	51 39	0°1855	1°2854	1°2988
88	v:	$+\frac{1}{2}\frac{1}{2}$	10°1'11"4	4 43	54 40	6 37	54 34	3 50	54 24	0°1160	1°4059	1°4107
89	p:	$-\frac{1}{2}$	6391	16 06	73 21	42 51	72 42	15 24	67 00	0°9277	3°2136	3°3448
90	Φ	$-\frac{11}{2}\frac{1}{2}$	11°5'16"2	17 47	75 14	49 13	74 32	17 10	67 03	1°1596	3°6152	3°7966
91	Ψ	$-\frac{23}{4}\frac{11}{2}$	23°11'34"4	18 29	76 02	51 54	75 20	17 55	66 59	1°2755	3°8161	4°0236
92	ε:	$-\frac{6}{3}$	6391	19 06	76 46	54 18	76 01	18 35	66 54	1°3915	4°0170	4°2512
93	V:	$-\frac{13}{2}\frac{1}{2}$	13°7'20"2	20 10	78 00	58 22	77 15	19 43	66 39	1°6234	4°4187	4°7074
94	Ω	-74	7°4'11"1	21 03	79 02	61 40	78 17	20 39	66 23	1°8554	4°8203	5°1651
95	Q:	-85	8°5'13"1	22 24	80 40	66 40	79 55	22 06	65 49	2°3192	5°6237	6°0833
96	3:	$-11\cdot8$	11°8'19"1	24 47	83 33	74 55	82 54	24 37	64 26	1°7108	8°0340	8°8496
97	δ:	$-14\cdot11$	14°11'25"1	26 02	85 05	78 54	84 32	25 56	63 32	5°1022	10°444	11°624
98	D:	$+82$	8°2'10"1	10 53	78 29	42 51	78 17	10 40	74 12	0°9277	4°8203	4°9089
99	ψ:	$+\frac{1}{3}\frac{1}{2}$	10°1'11"6	4 43	43 14	4 25	43 09	3 13	43 03	0°0773	0°9373	0°9405
100	φ:	$+\frac{37}{22}\frac{2}{11}$	37°4'41"22	5 04	43 37	4 49	43 31	3 30	43 25	0°0843	0°9495	0°9532
101	ρ:	$+\frac{16}{26}\frac{4}{13}$	47°8'55"26	7 44	46 40	8 07	46 25	5 37	46 07	0°1427	1°0506	1°0603
102	χ:	$+\frac{11}{6}\frac{1}{3}$	11°2'13"6	8 13	47 16	8 47	46 58	6 01	46 38	0°1546	1°0712	1°0823
103	S	$+\frac{13}{8}\frac{5}{24}$	26°5'31"14	8 38	47 48	9 24	47 28	6 23	47 05	0°1657	1°0903	1°1028
104	τ:	$+\frac{15}{8}\frac{1}{2}$	15°3'18"8	8 57	48 12	9 52	47 51	6 39	47 25	0°1739	1°1047	1°1183
105	ω:	$+\frac{23}{12}\frac{5}{12}$	23°5'28"12	9 38	49 06	10 56	48 42	7 16	48 10	0°1933	1°1382	1°1544
106	σ:	$+\frac{11}{5}\frac{7}{10}$	22°7'39"10	13 22	54 32	17 59	53 47	10 51	52 24	0°3247	1°3658	1°4038
107	P:	$+\frac{7}{2}$	14°5'19"1	14 42	77 39	49 13	77 15	14 21	70 53	1°1596	4°4187	4°5682
108	ℳ:	$-17\cdot5$	17°5'22"1	12 31	84 39	66 40	84 32	12 28	76 24	2°3192	10°444	10°698
109	θ:	$-\frac{10}{8}\frac{13}{8}$	19°13'32"8	23 49	61 49	37 00	59 38	20 51	53 44	0°7537	1°7072	1°8662
110	⊙:	$-\frac{42}{8}\frac{5}{2}$	43°40'83"1	28 48	78 16	66 40	76 40	28 09	59 05	2°3192	4°2178	4°8133
111	ℳ:	$-14\cdot5$	14°5'19"1	14 42	83 45	"	83 32	14 37	74 03	"	8°8374	9°1365
112	w:	$+\frac{5}{2}\frac{1}{2}$	5162	8 57	56 09	13 03	55 49	7 25	55 07	"	1°4729	1°4910
113	ε: O	$+\frac{3}{8}\frac{3}{8}$	20°5'25"8	10 53	56 54	16 10	56 25	9 06	55 21	0°2899	1°5064	1°5340
114	η:	$+\frac{1}{2}\frac{11}{8}$	20°11'31"8	20 29	61 15	32 32	59 38	17 52	55 12	0°6378	1°7072	1°8225
115	A:	$-\frac{5}{3}\frac{1}{3}$	5161	8 57	44 49	8 47	44 28	6 17	44 08	0°1546	0°9819	0°9940
116	2B:	$+\frac{1}{2}\frac{1}{2}$	10°1'11"5	4 43	48 27	5 18	48 21	3 31	48 14	0°0927	1°1258	1°1286
117	β:	$+\frac{7}{4}\frac{1}{2}$	7294	12 13	47 37	13 03	46 58	8 59	46 13	0°2319	1°0712	1°0960
118	H	$+\frac{7}{3}\frac{2}{3}$	7293	"	55 37	17 11	55 00	10 03	53 46	0°3092	1°4283	1°4614
119	C	$+\frac{10}{16}\frac{7}{10}$	19°7'36"10	15 04	51 18	17 59	50 19	11 43	48 54	0°3247	1°2051	1°2481
120	D	$+\frac{10}{13}\frac{13}{13}$	22°10'32"13	17 47	49 26	19 38	48 03	13 25	46 20	0°3568	1°1124	1°1682

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
121	F	$-\frac{13}{8}$	13·5·18·6	15° 36'	55° 09'	21° 08'	54° 08'	12° 45'	52° 14'	0·3865	1·3836	1·4366
122	A	$+\frac{8}{3}$	8193	5 49	56 45	8 47	56 37	4 52	56 18	0·1546	1·5176	1·5254
123	I	$-\frac{3}{8}$	31·10·41·8	13 31	68 02	30 06	67 28	12 31	64 22	0·5798	2·4102	2·4789
124	J	$-\frac{3}{2}$	12·3·15·8	10 53	42 37	9 52	42 06	7 21	41 41	0·1739	0·9038	0·9204
125	L	$-\frac{1}{2}$	11·2·13·7	8 13	42 51	7 33	42 33	5 34	42 18	0·1325	0·9182	0·9277
126	A	$+\frac{1}{2}$	16·1·17·7	3 00	51 39	3 47	51 37	2 21	51 33	0·0663	1·2625	1·2642
127	B	$+\frac{1}{2}$	12·1·13·5	3 57	53 18	5 18	53 15	3 10	53 08	0·0928	1·3390	1·3422
128	E	$-\frac{1}{2}$	28·16·44·11	21 03	61 58	34 00	60 18	18 29	55 28	0·6747	1·7529	1·8782

Rothgiltigerz. Pyrargyrit.

Hexagonal. Rhomboedrisch-hemiedrisch. Homimorph.

c = 0·7880	lg c = 989653	lg a ₀ = 034203	lg p ₀ = 972044	a ₀ = 2·1980	p ₀ = 0·5253 (G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	o	0	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	a	∞0	1010	0° 00'	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0·5773	"	"
4	σ	$\frac{0}{8}$	9·8·17·0	28 03	"	"	"	28 03	61 56	0·5329	"	"
5	η	2∞	2130	19 06	"	"	"	19 06	70 53	0·3464	"	"
6	ζ	$\frac{3}{2}$	5270	16 06	"	"	"	16 06	73 54	0·2887	"	"
7	θ	4∞	4150	10 53	"	"	"	10 53	79 06	0·1924	"	"
8	q	$\frac{1}{2}$	1012	0 00	14 43	0 00	14 43	0 00	14 43	0	0·2627	0·2627
9	π	10	1011	"	27 43	"	27 43	"	27 43	"	0·5253	0·5253
10	?λ	20	2021	"	46 25	"	46 25	"	46 25	"	1·0507	1·0507
11	?α	40	4041	"	57 36	"	57 36	"	57 36	"	1·5760	1·5760
12	ι	$-\frac{1}{8}$	1128	30 00	6 29	3 15	5 37	3 14	5 37	0·0569	0·0985	0·1137
13	?α'	$-\frac{1}{3}$	1125	"	10 19	5 12	8 57	5 08	8 55	0·0909	0·1576	0·1820
14	d'	$+\frac{1}{4}$	1124	"	12 49	6 29	11 08	6 22	11 04	0·1137	0·1970	0·2275
15	?f·δ'	$+\frac{1}{2}$	1122	"	24 28	12 49	21 30	11 40	21 01	0·2275	0·3940	0·4550
16	x'	$+\frac{5}{8}$	5·5·10·8	"	29 37	15 52	26 13	14 18	25 21	0·2843	0·4925	0·5687
17	w'	$+\frac{7}{10}$	7·7·14·10	"	32 29	17 40	28 53	15 35	27 43	0·3185	0·5516	0·6369
18	v'	$+\frac{5}{8}$	5·5·10·6	"	37 10	20 46	33 17	17 35	31 33	0·3791	0·6567	0·7583
19	p'·?κ'	+1	1121	"	42 18	24 28	38 14	19 40	35 39	0·4546	0·7880	0·9099
20	x'·?ρ'	$-\frac{1}{2}$	3302	"	53 46	34 18	49 46	23 47	44 19	0·6824	1·1820	1·3649
21	q'	-2	2241	"	61 12	42 18	57 36	25 59	49 22	0·9099	1·5760	1·8198

Nr.	Buch- staben.	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
22	k	$+\frac{3}{2}$	5'5'10'2	30°00	66°16	48°40	63°05	27°14	52°27	1'1374	1'9700	2'2748
23	l	$-\frac{7}{2}$	7'7'14'2	"	72 34	57 52	70 04	28 29	55 43	1'5924	2'7580	3'1847
24	m	$+\frac{1}{4}$	4481	"	74 38	61 12	72 24	28 49	56 37	1'8198	3'1520	3'6397
25	n	$-\frac{5}{2}$	5'5'10'1	"	77 36	66 16	75 45	29 14	57 45	2'2748	3'9400	4'5496
26	o	$-\frac{14}{2}$	14'14'28'1	"	85 30	81 04	84 49	29 54	59 42	6'3703	11'032	12'741
27	h	$-\frac{2}{3}$	2133	19 06	24 51	8 37	23 38	7 54	23 24	0'1517	0'4378	0'4633
28	i	$-\frac{3}{2}$	5277	16 06	25 06	7 24	24 14	6 45	24 03	0'1300	0'4503	0'4687
29	z	$-\frac{3}{2}$	4155	10 53	25 42	5 12	25 18	4 42	25 13	0'0910	0'4728	0'4815
30	j	$-\frac{3}{2}$	7188	6 35	26 22	3 15	26 13	2 55	26 11	0'0569	0'4925	0'4958
31	k	$-\frac{10}{2}$	19'1'20'20	2 32	27 08	1 18	27 07	1 09	27 07	0'0227	0'5122	0'5127
32	o	$+\frac{1}{2}$	19'1'20'19	"	28 21	1 22	28 20	1 12	28 19	0'0240	0'5392	0'5397
33	x	$+\frac{1}{2}$	10'1'11'10	4 43	28 58	2 36	28 53	2 17	28 51	0'0455	0'5516	0'5535
34	l	$+\frac{1}{2}$	7187	6 35	29 32	3 43	29 22	3 14	29 19	0'0650	0'5629	0'5666
35	m	$+\frac{1}{2}$	11'2'13'11	8 13	30 04	4 43	29 49	4 06	29 44	0'0827	0'5731	0'5790
36	v	$+\frac{1}{2}$	5165	8 57	30 19	5 12	30 01	4 30	29 55	0'0910	0'5779	0'5850
37	t	$+\frac{1}{2}$	4154	10 53	31 02	6 29	30 35	5 35	30 25	0'1137	0'5910	0'6018
38	n	$+\frac{1}{2}$	13'4'17'13	13 00	31 53	7 58	31 13	6 49	30 58	0'1400	0'6062	0'6221
39	g	$+\frac{1}{2}$	3143	13 54	32 16	8 37	31 30	7 22	31 13	0'1517	0'6129	0'6314
40	w	$+\frac{1}{2}$	5275	16 06	33 16	10 19	32 13	8 45	31 48	0'1820	0'6304	0'6562
41	e	$+\frac{1}{2}$	2132	19 06	34 48	12 49	33 17	10 45	32 38	0'2275	0'6567	0'6950
42	q	$+\frac{1}{2}$	7'4'11'7	21 03	35 53	14 34	34 02	12 09	33 10	0'2600	0'6754	0'7237
43	b	$+\frac{1}{2}$	3253	23 25	37 21	16 52	35 00	13 57	33 50	0'3033	0'7004	0'7633
44	E	$+\frac{1}{2}$	7'4'11'4	21 03	51 42	24 28	49 46	16 22	47 05	0'4550	1'1820	1'2665
45	F	$+\frac{1}{2}$	2131	19 06	54 16	"	52 43	15 24	50 05	"	1'3134	1'3899
46	H	$+\frac{1}{2}$	5272	16 06	58 38	"	57 36	13 42	55 07	"	1'5760	1'6404
47	x	$+\frac{1}{2}$	13'4'17'4	13 00	63 41	"	63 05	11 38	60 51	"	1'9700	2'0219
48	K	$+\frac{1}{2}$	4151	10 53	67 26	"	67 04	10 03	65 04	"	2'3640	2'4074
49	e	$+\frac{1}{2}$	19'4'23'4	9 22	70 19	"	70 04	8 49	68 17	"	2'7581	2'7953
50	N	$+\frac{1}{2}$	11'2'13'2	8 13	72 34	"	72 24	7 50	70 47	"	3'1520	3'1846
51	J	$+\frac{1}{2}$	13'2'15'2	7 03	74 54	"	74 47	6 48	73 22	"	3'6774	3'7054
52	P	$+\frac{1}{2}$	7181	6 35	75 51	"	75 45	6 23	74 25	"	3'9400	3'9662
53	Q	$+\frac{1}{2}$	15'2'17'2	6 10	76 41	"	76 37	6 00	75 21	"	4'2027	4'2273
54	R	$+\frac{1}{2}$	8191	5 49	77 26	"	77 22	5 40	76 10	"	4'4654	4'4885
55	S	$+\frac{1}{2}$	17'2'19'2	5 30	78 06	"	78 03	5 22	76 55	"	4'7280	4'7498
56	T	$+\frac{1}{2}$	10'1'11'1	4 43	79 45	"	79 43	4 38	78 44	"	5'5161	5'5348
57	v	$+\frac{1}{2}$	43'4'47'4	4 24	80 25	"	80 24	4 20	79 28	"	5'9100	5'9275
58	Z	$+\frac{1}{2}$	23'2'25'2	4 07	81 00	"	80 59	4 04	80 07	"	6'3040	6'3204
59	U	$+\frac{1}{2}$	13'1'14'1	3 40	81 59	"	81 58	3 38	81 12	"	7'0920	7'1065
60	x	$+\frac{1}{2}$	47'2'49'2	2 04	85 28	"	85 28	2 03	85 01	"	12'608	12'616
61	a	$+\frac{1}{2}$	8'2'10'1	10 53	43 55	10 19	43 24	7 32	42 56	0'1820	0'9456	0'9630
62	b	$+\frac{1}{2}$	7184	6 35	44 45	6 29	44 34	4 38	44 23	0'1137	0'9850	0'9916
63	c	$-\frac{2}{3}$	10'1'11'5	4 43	47 54	5 12	47 48	3 30	47 41	0'0910	1'1032	1'1069

No.	Buchstaben	Symb.	Bravais	φ	ρ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ρ
64	n:	$-\frac{7}{2}^2$	7'4'11'2	21° 03'	68° 27'	42° 18'	67° 04'	19° 31'	60° 14'	0'9099	2'3640	2'5331
65	f:	$-\frac{6}{2}$	6'28'1	13 54	75 13	"	74 47	13 25	69 49	"	3'6774	3'7884
66	q:	$-\frac{8}{2}$	8'2'10'1	10 53	78 16	"	78 03	10 40	74 02	"	4'7280	4'8148
67	u:	$-\frac{7}{2}^1$	14'5'19'10	14 42	41 52	12 49	40 55	9 45	40 12	0'2275	0'8668	0'8961
68	r:	$-\frac{17}{7}^1$	17'1'28'7	22 57	61 23	35 33	59 22	20 01	53 56	0'7149	1'6886	1'8337
69	g:	$-\frac{3}{1}$	3'14'1	13 54	62 10	24 28	61 27	12 16	59 08	0'4550	1'8387	1'8942
70	p:	$-\frac{10}{3}^1$	16'4'20'5	10 53	62 33	20 00	62 08	9 39	60 38	0'3640	1'8912	1'9259
71	h:	$+\frac{17}{8}^1$	17'2'19'8	5 30	49 54	6 29	49 46	4 12	49 35	0'1137	1'1820	1'1874
72	o:	$+\frac{23}{5}^1$	29'10'40'5	15 26	75 06	45 01	74 34	14 54	68 40	1'0010	3'6248	3'7605
73	x:	$+\frac{11}{2}^1$	11'5'16'2	17 47	74 58	48 40	74 15	17 09	66 52	1'1374	3'5460	3'7239
74	h:	$+\frac{19}{16}^1$	19'16'35'1	27 10	86 24	82 10	85 58	27 06	62 37	7'2793	14'184	15'943
75	W:	$+\frac{13}{10}^1$	13'10'23'1	25 41	84 33	77 36	83 58	25 34	63 46	4'5496	9'4560	10'494
76	Σ	$-\frac{13}{3}^1$	13'1'14'5	3 40	54 52	5 12	54 49	3 00	54 42	0'0910	1'4184	1'4213
77	e:	$-\frac{2}{1}^1$	4'52	10 53	50 17	12 49	49 46	8 21	49 03	0'2275	1'1820	1'2037
78	γ:	$-\frac{11}{7}^1$	11'5'16'7	17 47	46 46	18 00	45 22	12 51	43 56	0'3250	1'0131	1'0640
79	t:	$-\frac{2}{1}^1$	5'274	16 06	39 21	12 49	38 14	10 08	37 32	0'2275	0'7880	0'8202
80	A:	$+\frac{7}{8}^1$	7'185	6 35	38 25	5 12	"	4 05	38 07	0'0910	"	0'7932
81	h:	$+\frac{10}{7}^1$	10'1'11'7	4 43	38 20	3 43	"	2 55	38 11	0'0650	"	0'7907
82	Γ	$+\frac{11}{8}^1$	11'2'13'8	8 13	38 31	6 29	"	5 06	38 03	0'1137	"	0'7962
83	Σ	$+\frac{4}{3}^1$	4'153	10 53	38 45	8 37	"	6 47	37 55	0'1517	"	0'8025
84	Π	$+\frac{13}{8}^1$	19'10'29'16	19 50	39 57	15 52	"	12 35	37 09	0'2844	"	0'8377
85	θ	$+\frac{7}{8}^1$	14'5'19'8	14 42	48 14	"	47 17	10 55	46 11	"	1'0835	1'1202
86	C:	$+\frac{2}{1}^1$	4'151	10 53	50 17	12 49	49 46	8 21	49 03	0'2275	1'1820	1'2037
87	G	$+\frac{11}{5}^1$	11'2'13'5	8 13	51 52	10 19	51 35	6 27	51 07	0'1820	1'2608	1'2739
88	v:	$+\frac{2}{1}^1$	10'1'11'4	4 43	54 08	6 29	54 03	3 49	53 52	0'1137	1'3790	1'3837
89	p:	$-\frac{5}{2}$	5'271	16 06	73 03	42 18	72 24	15 23	66 47	0'9099	3'1520	3'2807
90	φ	$-\frac{11}{2}^1$	11'5'16'2	17 47	74 58	48 40	74 15	17 09	66 52	1'1374	3'5460	3'7239
91	ψ	$-\frac{23}{4}^1$	23'1'1'34'4	22 49	76 10	57 35	75 02	22 07	63 30	1'5751	3'7430	4'0609
92	σ:	$-\frac{6}{3}$	6'391	19 06	76 31	53 46	75 45	18 33	66 45	1'3649	3'9430	4'1607
93	V:	$-\frac{13}{2}^1$	13'7'20'2	20 10	77 47	57 52	77 00	19 42	66 33	1'5924	4'3340	4'6172
94	Ω	$-\frac{7}{4}$	7'4'11'1	21 03	78 50	61 12	78 03	20 38	66 17	1'8198	4'7280	5'0661
95	U:	$-\frac{8}{5}$	8'5'13'1	22 24	80 29	66 16	79 43	22 05	65 45	2'2748	5'5161	5'9668
96	h:	$-\frac{11}{8}$	11'8'19'1	24 47	83 25	74 38	82 46	24 37	64 24	3'6397	7'8800	8'6800
97	δ:	$-\frac{14}{11}$	14'1'1'25'1	26 02	84 59	78 42	84 25	25 56	63 31	5'0045	10'244	11'401
98	D:	$+\frac{8}{2}$	8'2'10'1	10 53	78 16	42 18	78 03	10 40	74 02	0'9099	4'7280	4'8148
99	ψ:	$+\frac{5}{3}^1$	10'1'11'6	4 43	42 41	4 20	42 35	3 11	42 31	0'0758	0'9193	0'9225
100	φ:	$+\frac{37}{2}^1$	37'4'41'22	5 04	43 04	4 44	42 57	3 28	42 52	0'0827	0'9313	0'9349
101	ρ:	$+\frac{47}{26}^1$	47'8'55'26	7 44	46 07	7 58	45 51	5 34	45 35	0'1400	1'0305	1'0400
102	λ:	$+\frac{11}{6}^1$	11'2'13'6	8 13	46 42	8 37	46 25	5 58	46 05	0'1517	1'0507	1'0616
103	S	$+\frac{13}{7}^1$	26'5'31'14	8 38	47 15	9 14	46 55	6 20	46 33	0'1625	1'0694	1'0817
104	τ:	$+\frac{15}{8}^1$	15'3'18'8	8 57	47 38	9 41	47 17	6 36	46 53	0'1706	1'0835	1'0968
105	ω:	$-\frac{23}{12}^1$	23'5'28'12	9 38	48 33	10 44	48 09	7 12	47 38	0'1896	1'1164	1'1323

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{y}$ (Prismen) (x:y)	y	d =tg ϱ
106	σ	$+\frac{11}{3}\frac{7}{10}$	22°7'29"10	13°22'	54°00'	17°40'	53°15'	10°47'	51°55'	0'3185	1'3396	1'3770
107	P	$+\frac{7}{2}$	14°5'19"2	14 42'	77 25'	48 40'	77 00'	14 20'	70 44'	1'1374	4'3340	4'4808
108	\mathfrak{N}	-17'5	17°5'22"1	12 31'	84 33'	66 16'	84 25'	12 28'	76 22'	2'2748	10'244	10'493
109	θ	$-\frac{19}{8}\frac{13}{8}$	19°13'32"8	23 49'	61 21'	36 28'	59 09'	20 45'	53 24'	0'7393	1'6745	1'8305
110	\mathfrak{S}	$-\frac{43}{8}5$	43°40'83"8	28 48'	78 02'	66 16'	76 24'	28 07'	59 00'	2'2748	4'1370	4'7212
111	\mathfrak{M}	-14'5	14°5'19"1	14 42'	83 38'	"	83 25'	14 37'	74 00'	"	8'6680	8'9615
112	w	$+\frac{5}{2}\frac{1}{2}$	5162	8 57'	55 38'	12 49'	55 18'	7 22'	54 38'	0'2275	1'4447	1'4625
113	\mathfrak{F} O	$+\frac{3}{2}\frac{3}{2}$	20°5'25"8	10 53'	56 23'	15 52'	55 54'	9 03'	54 52'	0'2844	1'4775	1'5046
114	η	$+\frac{5}{2}\frac{11}{8}$	20°11'31"8	20 29'	60 46'	32 01'	59 09'	17 47'	54 50'	0'6256	1'6746	1'7876
115	A	$-\frac{5}{3}\frac{1}{3}$	5163	8 57'	44 16'	8 37'	43 55'	6 14'	43 36'	0'1517	0'9631	0'9750
116	B	$+\frac{2}{2}\frac{1}{2}$	10°1'11"5	4 43'	47 54'	5 12'	47 48'	3 30'	47 41'	0'0910	1'1032	1'1070
117	\mathfrak{J}	$+\frac{7}{2}\frac{1}{2}$	7294	12 13'	47 04'	12 49'	46 25'	8 55'	45 41'	0'2275	1'0507	1'0750
118	H	$+\frac{7}{3}\frac{2}{3}$	7293	"	55 06'	16 52'	54 29'	9 59'	53 16'	0'3033	1'4009	1'4334
119	C	$+\frac{18}{7}\frac{7}{10}$	19°7'26"10	15 05'	50 45'	17 40'	49 46'	11 37'	48 24'	0'3185	1'1820	1'2241
120	D	$+\frac{22}{13}\frac{10}{13}$	22°10'32"13	17 47'	48 53'	19 17'	47 29'	13 18'	45 50'	0'3500	1'0911	1'1458
121	F	$-\frac{13}{6}\frac{5}{6}$	13°5'18"6	15 36'	54 38'	20 46'	53 37'	12 40'	51 45'	0'3791	1'3571	1'4091
122	\mathfrak{A}	$+\frac{8}{4}\frac{1}{4}$	8193	5 49'	56 14'	8 37'	56 06'	4 50'	55 48'	0'1517	1'4885	1'4962
123	I	$-\frac{31}{8}\frac{5}{4}$	31°10'41"8	13 31'	67 38'	29 37'	67 04'	12 29'	64 03'	0'5687	2'3640	2'4315
124	J	$-\frac{3}{2}\frac{3}{2}$	12°3'15"8	10 53'	42 04'	9 41'	41 33'	7 16'	41 09'	0'1706	0'8865	0'9028
125	L	$-\frac{11}{2}\frac{1}{2}$	11°2'13"7	8 13'	42 18'	7 24'	42 00'	5 31'	41 46'	0'1300	0'9006	0'9099
126	A	$+\frac{16}{7}\frac{1}{7}$	16°1'17"7	3 00'	51 07'	3 43'	51 04'	2 20'	51 01'	0'0650	1'2383	1'2400
127	B	$+\frac{12}{5}\frac{1}{5}$	12°1'13"5	3 57'	52 47'	5 12'	52 43'	3 09'	52 36'	0'0910	1'3133	1'3165
128	E	$-\frac{48}{11}\frac{16}{11}$	28°16'44"11	21 03'	61 30'	33 29'	59 49'	18 24'	55 06'	0'6618	1'7193	1'8422

Rothkupfererz.

Regulär. Plagiedrisch-hemledrisch.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{y}$ (Prismen) (x:y)	y	d =tg ϱ
1	c	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} - \\ 0^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	ε	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 05 \\ \infty 5 \end{array} \right.$	$\left\{ \begin{array}{l} 015 \\ 051 \\ 150 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 11^\circ 18' \end{array} \right.$	$\left\{ \begin{array}{l} 11^\circ 18' \\ 78^\circ 41' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 11^\circ 18' \\ 78^\circ 41' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 11^\circ 18' \end{array} \right.$	$\left\{ \begin{array}{l} 11^\circ 18' \\ 78^\circ 41' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 0'2000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'2000 \\ 5'0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0'2000 \\ 5'0000 \\ " \end{array} \right.$
3	e	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{array} \right.$	$\left\{ \begin{array}{l} 012 \\ 021 \\ 120 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ " \\ 26^\circ 34' \end{array} \right.$	$\left\{ \begin{array}{l} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ " \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ " \\ 26^\circ 34' \end{array} \right.$	$\left\{ \begin{array}{l} 26^\circ 34' \\ 63^\circ 26' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \\ 0'5000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 2'0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 2'0000 \\ \infty \end{array} \right.$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
4	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1'0000 \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$
5	q	$\begin{cases} \frac{1}{2} \\ 12 \end{cases}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0'5000 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 0'7071 \\ 2'2360 \end{matrix}$
6	A	$\begin{cases} \frac{3}{8} \\ 1\frac{1}{2} \end{cases}$	$\begin{matrix} 335 \\ 353 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 30^\circ 58' \end{matrix}$	$\begin{matrix} 40^\circ 19' \\ 62^\circ 46' \end{matrix}$	$\begin{matrix} 30^\circ 58' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 30^\circ 58' \\ 59^\circ 02' \end{matrix}$	$\begin{matrix} 27^\circ 13' \\ " \end{matrix}$	$\begin{matrix} 27^\circ 13' \\ 49^\circ 41' \end{matrix}$	$\begin{matrix} 0'6000 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'6000 \\ 1'6667 \end{matrix}$	$\begin{matrix} 0'8485 \\ 1'9437 \end{matrix}$
7	n	$\begin{cases} \frac{2}{3} \\ 1\frac{1}{2} \end{cases}$	$\begin{matrix} 223 \\ 232 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 33^\circ 41' \end{matrix}$	$\begin{matrix} 43^\circ 19' \\ 60^\circ 59' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 56^\circ 18' \end{matrix}$	$\begin{matrix} 29^\circ 01' \\ " \end{matrix}$	$\begin{matrix} 29^\circ 01' \\ 46^\circ 41' \end{matrix}$	$\begin{matrix} 0'6667 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'6667 \\ 1'5000 \end{matrix}$	$\begin{matrix} 0'9428 \\ 1'8028 \end{matrix}$
8	p	1	111	45° 00	54° 44	"	45° 00	35° 16	35° 16	"	1'0000	1'4142
9	v	$\begin{cases} \frac{1}{3} \\ 3 \end{cases}$	$\begin{matrix} 133 \\ 331 \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 46^\circ 30' \\ 76^\circ 44' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \end{matrix}$	$\begin{matrix} " \\ 71^\circ 34' \end{matrix}$	$\begin{matrix} 13^\circ 16' \\ 43^\circ 29' \end{matrix}$	$\begin{matrix} 43^\circ 29' \\ " \end{matrix}$	$\begin{matrix} 0'3333 \\ 3'0000 \end{matrix}$	$\begin{matrix} " \\ 3'0000 \end{matrix}$	$\begin{matrix} 1'0541 \\ 4'2426 \end{matrix}$
10	u	$\begin{cases} \frac{1}{2} \\ 2 \end{cases}$	$\begin{matrix} 122 \\ 221 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 48^\circ 11' \\ 70^\circ 32' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 19^\circ 28' \\ 41^\circ 48' \end{matrix}$	$\begin{matrix} 41^\circ 48' \\ " \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 1'0000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 1'1180 \\ 2'8284 \end{matrix}$
11	w	$\begin{cases} \frac{2}{3} \\ 1\frac{1}{2} \end{cases}$	$\begin{matrix} 233 \\ 332 \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 50^\circ 14' \\ 64^\circ 45' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 56^\circ 18' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 56^\circ 18' \end{matrix}$	$\begin{matrix} 25^\circ 14' \\ 39^\circ 45' \end{matrix}$	$\begin{matrix} 39^\circ 45' \\ " \end{matrix}$	$\begin{matrix} 0'6667 \\ 1'5000 \end{matrix}$	$\begin{matrix} 1'0000 \\ 1'5000 \end{matrix}$	$\begin{matrix} 1'2019 \\ 2'1213 \end{matrix}$
12	x	$\begin{cases} \frac{1}{3} \\ \frac{2}{3} \\ 2\frac{1}{2} \\ 3 \end{cases}$	$\begin{matrix} 123 \\ 132 \\ 231 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 18^\circ 26' \\ 33^\circ 41' \end{matrix}$	$\begin{matrix} 36^\circ 42' \\ 57^\circ 41' \\ 74^\circ 30' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 56^\circ 18' \\ 71^\circ 34' \end{matrix}$	$\begin{matrix} 15^\circ 30' \\ " \\ 32^\circ 18' \end{matrix}$	$\begin{matrix} 32^\circ 18' \\ 53^\circ 18' \\ " \end{matrix}$	$\begin{matrix} 0'3333 \\ 0'5000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 0'6667 \\ 1'5000 \\ 3'0000 \end{matrix}$	$\begin{matrix} 0'7453 \\ 1'5811 \\ 3'0055 \end{matrix}$
13	Z	$\begin{cases} \frac{2}{3} \\ \frac{8}{9} \\ \frac{4}{3} \\ \frac{5}{3} \end{cases}$	$\begin{matrix} 689 \\ 698 \\ 896 \end{matrix}$	$\begin{matrix} 36^\circ 53' \\ 33^\circ 41' \\ 41^\circ 38' \end{matrix}$	$\begin{matrix} 48^\circ 01' \\ 53^\circ 31' \\ 63^\circ 31' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 36^\circ 52' \\ 53^\circ 08' \end{matrix}$	$\begin{matrix} 41^\circ 38' \\ 48^\circ 22' \\ 56^\circ 18' \end{matrix}$	$\begin{matrix} 26^\circ 29' \\ " \\ 36^\circ 29' \end{matrix}$	$\begin{matrix} 36^\circ 29' \\ 41^\circ 59' \\ " \end{matrix}$	$\begin{matrix} 0'6667 \\ 0'7500 \\ 1'3333 \end{matrix}$	$\begin{matrix} 0'8889 \\ 1'1250 \\ 1'5000 \end{matrix}$	$\begin{matrix} 1'1111 \\ 1'3521 \\ 2'0000 \end{matrix}$

Rothnickelkies.

Hexagonal.

$c = 1'4193$	$lg c = 015207$	$lg a_0 = 008649$	$lg p_0 = 997598$	$a_0 = 1'2204$	$p_0 = 0'9462$	(G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞0	1010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	x	10	1011	"	43° 25	"	43° 25	"	43° 25	"	0'9462	0'9462

Rothzinkerz.

Hexagonal.

$$c = 2.7846 \quad \lg c = 0.44477 \quad \lg a_0 = 9.79379 \quad \lg p_0 = 0.26868 \quad a_0 = 0.6220 \quad p_0 = 1.8564 \quad (G_1)$$

No.	Buch- staben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tge
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	∞0	1010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞	1120	30° 00	"	90° 00	"	30° 00	60° 00	0.5773	"	"
4	e	$\frac{1}{3}0$	1018	0° 00	13° 04	0° 00	13° 04	0° 00	13° 04	0	0.2320	0.2320
5	s	$\frac{1}{3}0$	1013	"	31° 45	"	31° 45	"	31° 45	"	0.6188	0.6188
6	o	$\frac{2}{3}0$	2025	"	36° 36	"	36° 36	"	36° 36	"	0.7426	0.7426
7	n	$\frac{1}{2}0$	1012	"	42° 52	"	42° 52	"	42° 52	"	0.9282	0.9282
8	ω	$\frac{2}{3}0$	3035	"	48° 05	"	48° 05	"	48° 05	"	1.1138	1.1138
9	q	$\frac{2}{3}0$	2023	"	51° 03	"	51° 03	"	51° 03	"	1.2376	1.2376
10	?a	$\frac{4}{3}0$	4045	"	56° 03	"	56° 03	"	56° 03	"	1.4851	1.4851
11	p	10	1011	"	61° 41	"	61° 41	"	61° 41	"	1.8564	1.8564
12	?β	$\frac{3}{2}0$	5054	"	66° 41	"	66° 41	"	66° 41	"	2.3204	2.3204
13	v	$\frac{3}{2}0$	8085	"	71° 23	"	71° 23	"	71° 23	"	2.9703	2.9703
14	y	20	2021	"	74° 55	"	74° 55	"	74° 55	"	3.7129	3.7129
15	t	$\frac{1}{2}$	1124	30° 00	38° 47	21° 54	34° 50	18° 15	32° 51	0.4019	0.6962	0.8039
16	h	$\frac{1}{2}$	1123	"	46° 59	28° 11	42° 52	21° 26	39° 17	0.5359	0.9282	1.0718
17	f	$\frac{1}{2}$	1122	"	58° 07	38° 47	54° 19	25° 07	47° 20	0.8039	1.3923	1.6077
18	d	1	1121	"	72° 43	58° 07	70° 15	28° 31	55° 47	1.6077	2.7846	3.2154
19	m	$\frac{2}{3}\frac{1}{3}$	2133	19° 06	58° 35	28° 11	57° 07	16° 13	53° 44	0.5359	1.5470	1.6372

Rutil.

Tetragonal.

$$\left\{ \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0.6442 \quad \lg c = 9.80902 \quad \lg a_0 = 0.19098 \quad a_0 = 1.5523$$

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	m	∞	110	45° 00	"	90° 00	"	45° 00	45° 00	1.0000	"	"
4	k	$\infty\frac{1}{2}$	340	36° 52	"	"	"	36° 52	53° 08	0.7500	"	"
5	r	$\infty\frac{2}{3}$	230	33° 41	"	"	"	33° 41	56° 18	0.6667	"	"
6	Q	$\infty\frac{3}{2}$	350	30° 58	"	"	"	30° 58	59° 02	0.6000	"	"
7	h	$\infty 2$	120	26° 34	"	"	"	26° 34	63° 26	0.5000	"	"
8	ψ	$\infty\frac{3}{4}$	490	23° 57	"	"	"	23° 57	66° 02	0.4444	"	"
9	l	$\infty 3$	130	18° 26	"	"	"	18° 26	71° 34	0.3333	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
10	x	$\infty 4$	140	14° 02'	90° 00'	90° 00'	90° 00'	14° 02'	75° 58'	0° 25' 00"	∞	∞
11	u	$\infty 7$	170	8° 08'	"	"	"	8° 08'	81° 52'	0° 14' 29"	"	"
12	i	$\infty 8$	180	7° 07'	"	"	"	7° 07'	82° 52'	0° 12' 50"	"	"
13	d	$0 \frac{5}{8}$	058	0° 00'	21° 55'	0° 00'	21° 55'	0° 00'	21° 55'	0	0° 40' 25"	0° 40' 25"
14	e	01	011	"	32° 47'	"	32° 47'	"	32° 47'	"	0° 64' 40"	0° 64' 40"
15	v	03	031	"	62° 38'	"	62° 38'	"	62° 38'	"	1° 9' 320"	1° 9' 320"
16	φ	$0 \frac{2}{3}$	092	"	70° 57'	"	70° 57'	"	70° 57'	"	2° 8' 980"	2° 8' 980"
17	w	05	051	"	72° 45'	"	72° 45'	"	72° 45'	"	3° 2' 200"	3° 2' 200"
18	a	$\frac{1}{2}$	227	45° 00'	14° 35'	10° 25'	10° 25'	10° 15'	10° 15'	0° 18' 40"	0° 18' 40"	0° 26' 02"
19	β	$\frac{1}{3}$	112	"	24° 29'	17° 51'	17° 51'	17° 02'	17° 02'	0° 32' 220"	0° 32' 220"	0° 45' 54"
20	δ	$\frac{2}{3}$	223	"	31° 16'	23° 14'	23° 14'	21° 32'	21° 32'	0° 42' 93"	0° 42' 93"	0° 60' 72"
21	s	$\frac{1}{6}$	334	"	34° 20'	25° 47'	25° 47'	23° 30'	23° 30'	0° 48' 30"	0° 48' 30"	0° 68' 31"
22	s	1	111	"	42° 19'	32° 47'	32° 47'	28° 26'	28° 26'	0° 64' 40"	0° 64' 40"	0° 91' 08"
23	μ	$\frac{2}{3}$	998	"	45° 42'	35° 55'	35° 55'	30° 24'	30° 24'	0° 72' 45"	0° 72' 45"	1° 02' 46"
24	ϱ	2	221	"	61° 14'	52° 10'	52° 10'	38° 18'	38° 18'	1° 28' 80"	1° 28' 80"	1° 82' 15"
25	ω	3	331	"	69° 54'	62° 38'	62° 38'	41° 36'	41° 36'	1° 9' 320"	1° 9' 320"	2° 7' 322"
26	σ	4	441	"	74° 39'	68° 47'	68° 47'	42° 59'	42° 59'	2° 57' 60"	2° 57' 60"	3° 6' 430"
27	n	$\frac{1}{3}$	155	11° 18'	33° 18'	7° 20'	32° 47'	6° 11'	32° 34'	0° 12' 88"	0° 64' 40"	0° 65' 68"
28	t	$\frac{1}{3}$	133	18° 26'	34° 10'	12° 07'	"	10° 14'	32° 12'	0° 21' 46"	"	0° 67' 88"
29	v	$\frac{2}{3}$	255	21° 48'	34° 44'	14° 26'	"	12° 13'	31° 57'	0° 25' 76"	"	0° 64' 30"
30	g	$\frac{1}{2}$	122	26° 34'	35° 45'	17° 51'	"	15° 09'	31° 30'	0° 32' 220"	"	0° 7' 200"
31	f	$\frac{2}{3}$	233	33° 41'	37° 44'	23° 14'	"	19° 51'	30° 37'	0° 42' 93"	"	0° 77' 40"
32	γ	$\frac{1}{3}$	899	41° 38'	40° 45'	29° 47'	"	25° 42'	29° 12'	0° 57' 24"	"	0° 86' 16"
33	z	23	231	33° 41'	66° 42'	52° 10'	62° 38'	30° 37'	49° 50'	1° 28' 80"	1° 9' 320"	2° 3' 220"
34	ζ	35	351	30° 58'	75° 05'	62° 38'	72° 45'	29° 49'	55° 57'	1° 9' 320"	3° 2' 200"	3° 75' 52"
35	τ	56	561	39° 48'	78° 45'	72° 45'	75° 29'	38° 53'	48° 53'	3° 2' 200"	6° 12' 40"	5° 02' 00"
36	η	$\frac{1}{6}$	158	11° 18'	22° 19'	4° 36'	21° 55'	4° 16'	21° 51'	0° 08' 05"	0° 40' 25"	0° 41' 05"

Salmiak.

Regulär. Pseudorhombisch-hemiedrisch.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} - \\ 0^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	a	$\left\{ \begin{array}{l} 0 \frac{1}{2} \\ 03 \\ \infty 3 \end{array} \right.$	$\left\{ \begin{array}{l} 013 \\ 031 \\ 130 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 18^\circ 26' \end{array} \right.$	$\left\{ \begin{array}{l} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 18^\circ 26' \end{array} \right.$	$\left\{ \begin{array}{l} 18^\circ 26' \\ 71^\circ 34' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 0^\circ 33' 33" \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 33' 33" \\ 3^\circ 00' 00" \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 33' 33" \\ 3^\circ 00' 00" \\ \infty \end{array} \right.$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
3	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 011 \\ 110 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 45^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00 \\ 90^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00 \\ 45^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ 1'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 1'0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 1'0000 \\ \infty \end{array} \right.$
4	k	$\left\{ \begin{array}{l} \frac{1}{2} \\ 14 \end{array} \right.$	$\left\{ \begin{array}{l} 114 \\ 141 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 14^\circ 02 \end{array} \right.$	$\left\{ \begin{array}{l} 19^\circ 28 \\ 76^\circ 22 \end{array} \right.$	$\left\{ \begin{array}{l} 14^\circ 02 \\ 45^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 14^\circ 02 \\ 75^\circ 58 \end{array} \right.$	$\left\{ \begin{array}{l} 13^\circ 38 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 13^\circ 38 \\ 70^\circ 32 \end{array} \right.$	$\left\{ \begin{array}{l} 0'2500 \\ 1'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'2500 \\ 4'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'3535 \\ 4'1231 \end{array} \right.$
5	m	$\left\{ \begin{array}{l} \frac{1}{3} \\ 13 \end{array} \right.$	$\left\{ \begin{array}{l} 113 \\ 131 \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00 \\ 18^\circ 26 \end{array} \right.$	$\left\{ \begin{array}{l} 25^\circ 14' \\ 72^\circ 27' \end{array} \right.$	$\left\{ \begin{array}{l} 18^\circ 26 \\ 45^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 18^\circ 26 \\ 71^\circ 34 \end{array} \right.$	$\left\{ \begin{array}{l} 17^\circ 33 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 17^\circ 33 \\ 64^\circ 45' \end{array} \right.$	$\left\{ \begin{array}{l} 0'3333 \\ 1'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'3333 \\ 3'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'4714 \\ 3'1623 \end{array} \right.$
6	o	$\left\{ \begin{array}{l} \frac{2}{3} \\ 1\frac{2}{3} \end{array} \right.$	$\left\{ \begin{array}{l} 225 \\ 252 \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00 \\ 21^\circ 48 \end{array} \right.$	$\left\{ \begin{array}{l} 29^\circ 30' \\ 69^\circ 37' \end{array} \right.$	$\left\{ \begin{array}{l} 21^\circ 48 \\ 45^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 21^\circ 48 \\ 68^\circ 12 \end{array} \right.$	$\left\{ \begin{array}{l} 20^\circ 22' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 20^\circ 22' \\ 60^\circ 30 \end{array} \right.$	$\left\{ \begin{array}{l} 0'4000 \\ 1'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'4000 \\ 2'5000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'5657 \\ 2'6924 \end{array} \right.$
7	q	$\left\{ \begin{array}{l} \frac{1}{2} \\ 12 \end{array} \right.$	$\left\{ \begin{array}{l} 112 \\ 121 \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00 \\ 26^\circ 34 \end{array} \right.$	$\left\{ \begin{array}{l} 35^\circ 16' \\ 65^\circ 54' \end{array} \right.$	$\left\{ \begin{array}{l} 26^\circ 34 \\ 45^\circ 00 \end{array} \right.$	$\left\{ \begin{array}{l} 26^\circ 34 \\ 63^\circ 26 \end{array} \right.$	$\left\{ \begin{array}{l} 24^\circ 05' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 24^\circ 05' \\ 54^\circ 44 \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 1'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 2'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'7071 \\ 2'2360 \end{array} \right.$
8	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
9	x	$\left\{ \begin{array}{l} \frac{1}{3} \frac{2}{3} \\ \frac{1}{2} \frac{3}{2} \\ 23 \end{array} \right.$	$\left\{ \begin{array}{l} 123 \\ 132 \\ 231 \end{array} \right.$	$\left\{ \begin{array}{l} 26^\circ 34 \\ 18^\circ 26 \\ 33^\circ 41' \end{array} \right.$	$\left\{ \begin{array}{l} 36^\circ 42' \\ 57^\circ 41' \\ 74^\circ 30' \end{array} \right.$	$\left\{ \begin{array}{l} 18^\circ 26 \\ 26^\circ 34 \\ 63^\circ 26 \end{array} \right.$	$\left\{ \begin{array}{l} 33^\circ 41' \\ 56^\circ 18' \\ 71^\circ 34 \end{array} \right.$	$\left\{ \begin{array}{l} 15^\circ 30' \\ " \\ 32^\circ 18' \end{array} \right.$	$\left\{ \begin{array}{l} 32^\circ 18' \\ 53^\circ 18' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0'3333 \\ 0'5000 \\ 2'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'6667 \\ 1'5000 \\ 3'0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'7453 \\ 1'5811 \\ 3'6055 \end{array} \right.$

Samarskit.

Rhombisch.

a = 0'5456	lg a = 973687	lg a ₀ = 002271	lg p ₀ = 997729	a ₀ = 1'0537	p ₀ = 0'9490
c = 0'5178	lg c = 971416	lg b ₀ = 028584	lg q ₀ = 971416	b ₀ = 1'9313	q ₀ = 0'5178

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	b	∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	c	∞	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
3	e	∞	110	61 23	"	"	90 00	61 23	28 37	1'8328	∞	"
4	f	∞	120	42 30	"	"	"	42 30	47 30	0'9164	"	"
5	l	10	101	90 00	43 30	43 30	0 00	43 30	0 00	0'9490	0	0'9490
6	p	1	111	61 23	47 14	"	27 22	40 07	20 35	"	0'5178	1'0811
7	x	23	231	50 42	67 49	62 13	57 13	45 46	35 54	1'8981	1'5533	2'4527

Sapphirin.

Monoklin.

$a = 0.65$	$\lg a = 981291$	$\lg a_0 = 984443$	$\lg p_0 = 015557$	$a_0 = 0.6989$	$p_0 = 1.4308$
$c = 0.93$	$\lg c = 996848$	$\lg b_0 = 003152$	$\lg q_0 = 996115$	$b_0 = 1.0753$	$q_0 = 0.9144$
$\mu_{180-\beta} = \left. \begin{array}{l} \\ \end{array} \right\} 79^\circ 30'$	$\lg h = \left. \begin{array}{l} \\ \lg \sin \mu \end{array} \right\} 999267$	$\lg e = \left. \begin{array}{l} \\ \lg \cos \mu \end{array} \right\} 926063$	$\lg \frac{p_0}{q_0} = 019442$	$h = 0.9833$	$e = 0.1822$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	b	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
3	n	∞	110	57 25	"	"	90 00	57 25	32 35	1.5646	∞	"
4	q	01	011	11 16	43 29	10 30	42 55	7 44	42 26	0.1853	0.9300	0.9483

Sarkinit.

Monoklin.

$a = 2.0017$	$\lg a = 030140$	$\lg a_0 = 012087$	$\lg p_0 = 987913$	$a_0 = 1.3209$	$p_0 = 0.7570$
$c = 1.5154$	$\lg c = 018053$	$\lg b_0 = 981947$	$\lg q_0 = 012733$	$b_0 = 0.6599$	$q_0 = 1.3407$
$\mu_{180-\beta} = \left. \begin{array}{l} \\ \end{array} \right\} 62^\circ 13'$	$\lg h = \left. \begin{array}{l} \\ \lg \sin \mu \end{array} \right\} 994680$	$\lg e = \left. \begin{array}{l} \\ \lg \cos \mu \end{array} \right\} 966851$	$\lg \frac{p_0}{q_0} = 975180$	$h = 0.8847$	$e = 0.4661$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	c	0	001	90° 00	27° 47	27° 47	0° 00	27° 47	0° 00	0.5268	0	0.5268
2	a	$\infty 0$	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	m	∞	110	29 27	"	"	90 00	29 27	60 33	0.5646	∞	"
4	p	02	021	9 52	71 59	27 47	71 44	9 22	69 33	0.5268	3.0308	3.0762
5	o	-1	111	12 14	57 11	18 12	56 35	10 16	55 13	0.3288	1.5154	1.5507

Sarkolith.

Tetragonal.

$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 0.8872$	$lg c = 994802$	$lg a_o = 005198$	$a_o = 1.1272$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	o ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	45 00	"	90 00	"	45 00	45 00	1.0000	"	"
4	h	$\infty 2$	120	26 34	"	"	"	26 34	63 26	0.5000	"	"
5	e	01	011	0 00	41 34	0 00	41 34	0 00	41 34	o	0.8870	0.8870
6	f	$\frac{1}{3}$	113	45 00	22 41	16 28	16 28	15 50	15 50	0.2956	0.2956	0.4181
7	r	1	111	"	51 26	41 34	41 34	33 34	33 34	0.8849	0.8849	1.2544
8	z	3	331	"	75 07	69 24	69 24	43 06	43 06	2.6610	2.6610	3.7632
9	v	$\frac{1}{3} 1$	133	18 26	43 04	16 28	41 34	12 28	40 23	0.2956	0.8870	0.9350
10	s	13	131	"	70 22	41 34	69 24	17 20	63 19	0.8870	2.6610	2.8049

Sassolin.

Triklin.

$p_o = 0.8882$	$\lambda = 75^\circ 42$	$a = 0.5765$	$\alpha = 104^\circ 18$	$x_o = 0.0432$	$d = 0.2507$
$q_o = 0.5279$	$\mu = 87^\circ 26$	$b = 1$	$\beta = 92^\circ 33$	$y_o = 0.2470$	$\delta = 9^\circ 55$
$r_o = 1$	$\nu = 89^\circ 38$	$c = 0.5284$	$\gamma = 89^\circ 44$	$h = 0.9681$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	o	001	9° 55	14° 31	2° 33	14° 19	2° 28	14° 18	0.0446	0.2551	0.2590
2	a	o ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	o	∞	∞
3	m	∞	110	59 00	"	90 00	"	59 00	31 00	1.6645	"	"
4	t	$\infty \infty$	110	120 27	"	"	90 00	59 33	30 27	1.7008	"	"
5	y	01	011	3 11	38 43	2 33	38 40	1 59	38 39	0.0446	0.8005	0.8017
6	x	01	011	171 15	16 21	"	16 11	2 27	16 10	"	0.2901	0.2936
7	v	1	111	50 02	51 27	43 53	38 53	36 50	30 09	0.9621	0.8063	1.2553
8	r	11	111	106 27	45 05	"	15 52	42 47	11 34	"	0.2843	1.0032
9	s	11	111	47 33	49 39	40 59	38 28	34 13	30 57	0.8687	0.7946	1.1773
10	u	1	111	108 49	42 33	"	16 29	39 48	12 36	"	0.2960	0.9178

Scheelit.

Tetragonal. Pyramidal-hemiedrisch.

$\frac{c}{p_0}$	$= 1.5360$	$\lg c = 0.18639$	$\lg a_0 = 9.81361$	$a_0 = 0.6510$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	n	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	45 00	"	90 00	"	45 00	45 00	1.0000	"	"
4	r	∞ $\frac{1}{2}$	340	36 52	"	"	"	36 52	53 08	0.7500	"	"
5	q	∞2	120	26 34	"	"	"	26 34	63 26	0.5000	"	"
6	d	0 $\frac{1}{2}$	015	0 00	17 04	0 00	17 04	0 00	17 04	0	0.3072	0.3072
7	z	0 $\frac{1}{2}$	025	"	31 34	"	31 34	"	31 34	"	0.6144	0.6144
8	o	0 $\frac{1}{2}$	012	"	37 31	"	37 31	"	37 31	"	0.7680	0.7680
9	s	0 $\frac{7}{8}$	078	"	53 21	"	53 21	"	53 21	"	1.3440	1.3440
10	e	01	011	"	56 56	"	56 56	"	56 56	"	1.5360	1.5360
11	f	$\frac{1}{4}$	114	45 00	28 30	21 00	21 00	19 43	19 43	0.3840	0.3840	0.5430
12	b	$\frac{1}{3}$	113	"	35 54	27 06	27 06	24 30	24 30	0.5120	0.5120	0.7241
13	v	$\frac{1}{2}$	112	"	47 22	37 31	37 31	31 20	31 20	0.7680	0.7680	1.0861
14	p	1	111	"	65 17	56 56	56 56	39 58	39 58	1.5360	1.5360	2.1722
15	l	$\frac{1}{12}$	1.12.12	4 46	57 01	7 17	"	3 59	56 43	0.1280	"	1.5413
16	k	$\frac{1}{3}$	155	11 18	57 26	17 04	"	9 31	55 44	0.3072	"	1.5664
17	i	$\frac{1}{4}$	144	14 02	57 43	21 00	"	11 50	55 06	0.3840	"	1.5832
18	h	$\frac{1}{3}$	133	18 26	58 18	27 06	"	15 36	53 49	0.5120	"	1.6191
19	g	$\frac{1}{2}$	122	26 34	59 47	37 31	"	22 44	50 37	0.7680	"	1.7173
20	δ	12	121	"	73 46	56 56	71 58	25 25	59 10	1.5360	3.0720	3.4345
21	s	13	131	18 26	78 22	"	77 45	18 02	68 18	"	4.6080	4.8572
22	t	$\frac{1}{2}$	142	14 02	72 28	37 31	71 58	13 22	67 41	0.7680	3.0720	3.1665
23	w	$\frac{1}{3}$	153	11 18	69 02	27 06	68 40	10 33	66 18	0.5120	2.5600	2.6107
24	y	$\frac{1}{3}$	135	18 26	44 10	17 04	42 40	12 44	41 23	0.3072	0.9216	0.9714
25	x	$\frac{1}{6}$	146	14 02	46 33	14 21	45 40	10 08	44 46	0.2560	1.0240	1.0555

Schneebergit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\lg \varrho$
1	p	1	111	45° 00	54° 44	45° 00	45° 00	35° 16	35° 16	1.0000	1.0000	1.4142

Schröckingerit.

Rhombisch.

$$\lg \frac{p_0}{q_0} = 0.21268; \quad \frac{p_0}{q_0} = 1.6319; \quad \frac{a}{b} = 0.6128$$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	a	0∞	010	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	0	∞	∞
2	m	∞	110	$58^\circ 30'$	"	$90^\circ 00'$	"	$58^\circ 30'$	$31^\circ 30'$	1.6319	"	"

Schwefel.

Rhombisch.

$a = 0.8138$	$\lg a = 991052$	$\lg a_0 = 963052$	$\lg p_0 = 036948$	$a_0 = 0.4271$	$p_0 = 2.3414$
$c = 1.9055$	$\lg c = 028000$	$\lg b_0 = 972000$	$\lg q_0 = 028000$	$b_0 = 0.5248$	$q_0 = 1.9055$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	c	0	001	—	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	0	0	0
2	a	0∞	010	$0^\circ 00'$	$90^\circ 00'$	"	$90^\circ 00'$	"	$90^\circ 00'$	"	∞	∞
3	b	$\infty 0$	100	$90^\circ 00'$	"	$90^\circ 00'$	0 00	$90^\circ 00'$	0 00	∞	0	"
4	z	2∞	210	$67^\circ 51'$	"	"	$90^\circ 00'$	$67^\circ 51'$	$22^\circ 08'$	2.4576	∞	"
5	m	∞	110	$50^\circ 51'$	"	"	"	$50^\circ 51'$	$39^\circ 08'$	1.2288	"	"
6	k	$\infty 2$	120	$31^\circ 34'$	"	"	"	$31^\circ 34'$	$58^\circ 26'$	0.6144	"	"
7	v	$0\frac{1}{3}$	013	0 00	$32^\circ 25'$	0 00	$32^\circ 25'$	0 00	$32^\circ 25'$	0	0.6351	0.6351
8	w	$0\frac{2}{3}$	023	"	$51^\circ 47'$	"	$51^\circ 74'$	"	$51^\circ 74'$	"	1.2703	1.2703
9	n	01	011	"	$62^\circ 18'$	"	$62^\circ 18'$	"	$62^\circ 18'$	"	1.9054	1.9054
10	θ	03	031	"	$80^\circ 04'$	"	$80^\circ 04'$	"	$80^\circ 04'$	"	5.7164	5.7164
11	u	$\frac{1}{3}0$	103	$90^\circ 00'$	$37^\circ 58'$	$37^\circ 58'$	0 00	$37^\circ 58'$	0 00	0.7805	0	0.7805
12	e	10	101	"	$66^\circ 52'$	$66^\circ 52'$	"	$66^\circ 52'$	"	2.3414	"	2.3414
13	ψ	$\frac{1}{3}$	119	$50^\circ 51'$	$18^\circ 32'$	$14^\circ 35'$	$11^\circ 57'$	$14^\circ 17'$	$11^\circ 35'$	0.2602	0.2117	0.3354
14	ω	$\frac{1}{7}$	117	"	$23^\circ 19'$	$18^\circ 29'$	$15^\circ 13'$	$17^\circ 53'$	$14^\circ 28'$	0.3345	0.2722	0.4313
15	t	$\frac{1}{5}$	115	"	$31^\circ 07'$	$25^\circ 05'$	$20^\circ 51'$	$23^\circ 38'$	$19^\circ 02'$	0.4683	0.3811	0.6038
16	o	$\frac{1}{5}$	114	"	$37^\circ 02'$	$30^\circ 20'$	$25^\circ 28'$	$27^\circ 51'$	$22^\circ 21'$	0.5853	0.4763	0.7547
17	s	$\frac{1}{3}$	113	"	$45^\circ 10'$	$37^\circ 58'$	$32^\circ 25'$	$33^\circ 22'$	$26^\circ 36'$	0.7805	0.6351	1.0062
18	g	$\frac{3}{7}$	337	"	$52^\circ 18'$	$45^\circ 06'$	$39^\circ 14'$	$37^\circ 51'$	$29^\circ 57'$	1.0035	0.8166	1.2937

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
19	y	$\frac{1}{2}$	112	50° 51'	56° 28'	49° 30'	43° 37'	40° 17'	31° 45'	1'1707	0'9527	1'5094
20	f	$\frac{2}{3}$	335	"	61° 06'	54° 33'	48° 49'	42° 46'	33° 32'	1'4048	1'1432	1'8112
21	p	1	111	"	71° 40'	66° 52'	62° 18'	47° 25'	36° 48'	2'3414	1'9055	3'0188
22	q	$\frac{5}{6}$	553	"	78° 45'	75° 37'	72° 31'	49° 31'	38° 15'	3'9024	3'1758	5'0313
23	d	2	221	"	80° 35'	77° 57'	75° 18'	49° 55'	38° 31'	4'6829	3'8110	6'0376
24	r	3	331	"	83° 42'	81° 54'	80° 04'	50° 26'	38° 51'	7'0243	5'7164	9'0562
25	s	5	551	"	86° 12'	85° 07'	84° 00'	50° 42'	39° 02'	11'7070	9'5272	15'0044
26	a	$1\frac{1}{2}$	313	74° 39'	67° 36'	66° 52'	32° 25'	63° 10'	14° 00'	2'3414	0'6351	2'4260
27	q	13	131	22° 16'	80° 48'	"	80° 04'	21° 58'	65° 59'	"	5'7164	6'1773
28	F	15	151	13° 48'	84° 11'	"	84° 00'	13° 44'	75° 02'	"	9'5272	9'8120
29	x	$1\frac{1}{3}$	133	22° 16'	64° 06'	37° 58'	62° 18'	19° 56'	56° 21'	0'7805	1'9055	2'0591
30	x	$1\frac{1}{2}$	122	31° 34'	65° 54'	49° 30'	"	28° 33'	51° 03'	1'1707	"	2'2363
31	l	$2\frac{1}{2}$	344	42° 40'	68° 54'	60° 20'	"	39° 13'	43° 19'	1'7563	"	2'5914
32	r	31	311	74° 39'	82° 10'	81° 54'	"	72° 58'	15° 02'	7'0243	"	7'2782
33	z	$1\frac{1}{3}$	135	22° 16'	51° 01'	25° 05'	48° 49'	17° 08'	46° 00'	0'4683	1'1432	1'2340
34	β	$1\frac{1}{2}$	315	74° 39'	55° 30'	54° 33'	20° 51'	52° 42'	12° 27'	1'4048	0'3811	1'4556

Selenblei.

Regulär.

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
I	c	$\begin{matrix} 10 \\ 100 \end{matrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$

Selensilber.

Regulär.

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
I	c	$\begin{matrix} 10 \\ 100 \end{matrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$

Sellait.

Tetragonal.

$\frac{c}{p_0} \} = 0.6596$	$\lg c = 981928$	$\lg a_0 = 018072$	$a_0 = 1.5161$
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N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{y}$ (Prismen) (x : y)	y	d =tg ϱ
1	a	000	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	m	∞	110	45 00	"	90 00	"	45 00	45 00	1'0000	"	"
3	r	$\infty \frac{1}{2}$	230	33 41'	"	"	"	33 41'	56 18'	0'6667	"	"
4	n	$\infty 2$	120	26 34	"	"	"	26 34	63 26	0'5000	"	"
5	e	01	011	0 00	33 24'	0 00	33 24'	0 00	33 24'	0	0'6596	0'6596
6	f	$0 \frac{5}{8}$	065	"	38 21'	"	38 21'	"	38 21'	"	0'7915	0'7915
7	g	$0 \frac{3}{2}$	052	"	58 46	"	58 46	"	58 46	"	1'6490	1'6490
8	h	03	031	"	63 11'	"	63 11'	"	63 11'	"	1'9787	1'9787
9	s	$\frac{1}{2}$	112	45 00	25 00	18 15	18 15	17 23'	17 23'	0'3298	0'3298	0'4664
10	u	$\frac{3}{8}$	558	"	30 14'	22 24	22 24	20 51'	20 51'	0'4122	0'4122	0'5830
11	v	$\frac{1}{4}$	334	"	34 58'	26 19'	26 19'	23 55	23 55	0'4947	0'4947	0'6996
12	p	1	111	"	43 00'	33 24'	33 24'	28 50	28 50	0'6596	0'6596	0'9328
13	q	2	221	"	61 48'	52 50	52 50	38 33	38 33	1'3292	1'3292	1'8656
14	w	5	551	"	77 54	73 08	73 08	43 44'	43 44'	3'2980	3'2980	4'6639
15	α	$\frac{2}{3}$	255	21 48	35 23'	14 47	33 24'	12 25	32 31'	0'2638	0'6596	0'7104
16	β	$\frac{1}{3}$	122	26 34	36 24'	18 15	"	15 23'	32 03'	0'3298	"	0'7374
17	γ	$\frac{2}{3}$	233	33 41'	38 24'	23 44	"	20 09'	31 07'	0'4397	"	0'7927
18	δ	$\frac{1}{2}$	494	23 57'	58 22'	33 24'	56 01'	20 14	51 05'	0'6596	1'4841	1'6240
19	ϵ	$\frac{1}{3}$	373	23 12	59 09	"	56 59	19 46	52 06'	"	1'5391	1'6744
20	A	$\frac{2}{3}$	792	37 52'	75 06'	66 35	71 23	36 23'	49 43	2'3080	2'9682	3'7603

Semseyit.

Monoklin.

a = 1'1442	$\lg a = 005851$	$\lg a_0 = 001509$	$\lg p_0 = 998491$	$a_0 = 1'0354$	$p_0 = 0'9658$
c = 1'1051	$\lg c = 004342$	$\lg b_0 = 995658$	$\lg q_0 = 001926$	$b_0 = 0'9049$	$q_0 = 1'0453$
$\mu = \frac{1}{180 - \beta} \} 71'04$	$\lg h = \} 997584$	$\lg e = \} 951117$	$\lg \frac{p_0}{q_0} = 996565$	$h = 0'9459$	$e = 0'3245$

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x'}{y'}$ (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00	18° 56	18° 56	0° 00	18° 56	0° 00	0'3430	0	0'3430
2	a	$\infty 0$	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	q	$\frac{1}{2}$	221	47 11	72 54'	67 15	65 39'	44 31	40 31	2'3851'	2'2103	3'2518
4	p	$\frac{1}{3}$	111	50 59	60 20	53 45'	47 51'	42 28	33 09'	1'3641	1'1051	1'7556
5	s	$\frac{1}{3}$	113	61 40'	37 49'	34 21	20 13'	32 40	16 55	0'6834	0'3684	0'7763
6	t	$\frac{1}{3}$	113	0 25'	20 13'	0 09'	"	0 09	20 13'	0'0027	"	0'3684

Senarmontit.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	p	i	111	45° 00	54° 44	45° 00	45° 00	35° 16	35° 16	1'0000	1'0000	1.4142

Serpierit.**Rhombohed.**

a = 0.8586	lg a = 993379	lg a ₀ = 979907	lg p ₀ = 020093	a ₀ = 0.6296	p ₀ = 1.5883
c = 1.3637	lg c = 013472	lg b ₀ = 986528	lg q ₀ = 013472	b ₀ = 0.7333	q ₀ = 1.3637

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	?b	o ∞	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	m	∞	110	49° 21	"	90° 00	"	49° 21	40° 39	1'1647	"	"
4	?d	o $\frac{3}{2}$	034	0° 00	45° 39	0° 00	45° 39	0° 00	45° 39	o	1'0227	1'0227
5	?e	o1	011	"	53° 45	"	53° 45	"	53° 45	"	1'3637	1'3637
6	p	i	111	49° 21	64° 28	57° 48	"	43° 12	36° 00	1.5883	"	2'0910

Silber.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\left\{ \begin{array}{l} o \\ o\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} — \\ 0° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} o \\ " \end{array} \right.$	$\left\{ \begin{array}{l} o \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} o \\ \infty \end{array} \right.$
2	f	$\left\{ \begin{array}{l} o\frac{1}{2} \\ o4 \\ \infty 4 \end{array} \right.$	$\left\{ \begin{array}{l} 014 \\ 041 \\ 140 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 14° 02 \end{array} \right.$	$\left\{ \begin{array}{l} 14° 02 \\ 75° 58 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 14° 02 \\ 75° 58 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 14° 02 \end{array} \right.$	$\left\{ \begin{array}{l} 14° 02 \\ 75° 58 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ " \\ 0'2500 \end{array} \right.$	$\left\{ \begin{array}{l} 0'2500 \\ 4'0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0'2500 \\ 4'0000 \\ \infty \end{array} \right.$
3	a	$\left\{ \begin{array}{l} o\frac{1}{3} \\ o3 \\ \infty 3 \end{array} \right.$	$\left\{ \begin{array}{l} 013 \\ 031 \\ 130 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \\ 18° 26 \end{array} \right.$	$\left\{ \begin{array}{l} 18° 26 \\ 71° 34 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 18° 26 \\ 71° 34 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \\ 18° 26 \end{array} \right.$	$\left\{ \begin{array}{l} 18° 26 \\ 71° 34 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} o \\ " \\ 0'3333 \end{array} \right.$	$\left\{ \begin{array}{l} 0'3333 \\ 3'0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0'3333 \\ 3'0000 \\ \infty \end{array} \right.$
4	g	$\left\{ \begin{array}{l} o\frac{2}{3} \\ o\frac{5}{2} \\ \infty \frac{3}{2} \end{array} \right.$	$\left\{ \begin{array}{l} 025 \\ 052 \\ 250 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \\ 21° 48 \end{array} \right.$	$\left\{ \begin{array}{l} 21° 48 \\ 68° 12 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 21° 48 \\ 68° 12 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \\ 21° 48 \end{array} \right.$	$\left\{ \begin{array}{l} 21° 48 \\ 68° 12 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} o \\ " \\ 0'4000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'4000 \\ 2'5000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0'4000 \\ 2'5000 \\ \infty \end{array} \right.$
5	e	$\left\{ \begin{array}{l} o\frac{1}{2} \\ o2 \\ \infty 2 \end{array} \right.$	$\left\{ \begin{array}{l} 012 \\ 021 \\ 120 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \\ 26° 34 \end{array} \right.$	$\left\{ \begin{array}{l} 26° 34 \\ 63° 26 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 26° 34 \\ 63° 26 \\ 90° 00 \end{array} \right.$	$\left\{ \begin{array}{l} 0° 00 \\ " \\ 26° 34 \end{array} \right.$	$\left\{ \begin{array}{l} 26° 34 \\ 63° 26 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} o \\ " \\ 0'5000 \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 2'0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0'5000 \\ 2'0000 \\ \infty \end{array} \right.$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
6	a	$\left\{ \begin{array}{l} 0\frac{1}{4} \\ 0\frac{7}{8} \\ \infty\frac{7}{8} \end{array} \right.$	047	0° 00	29° 44'	0° 00	29° 44'	0° 00	29° 44'	0	0'5714	0'5714
			074	"	60 15'	"	60 15'	"	60 15'	"	1'7500	1'7500
			470	29 44'	90 00	90 00	90 00	29 44'	"	0'5714	∞	∞
7	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	011	0 00	45 00	0 00	45 00	0 00	45 00	0	1'0000	1'0000
			110	45 00	90 00	90 00	90 00	45 00	"	1'0000	∞	∞
8	m	$\left\{ \begin{array}{l} \frac{1}{3} \\ 13 \end{array} \right.$	113	"	25 14'	18 26	18 26	17 33	17 33	0'3333	0'3333	0'4717
			131	18 26	72 27	45 00	71 34	"	64 45'	1'0000	3'0000	3'1623
9	q	$\left\{ \begin{array}{l} \frac{1}{2} \\ 12 \end{array} \right.$	112	45 00	35 16	26 34	26 34	24 05'	24 05'	0'5000	0'5000	0'7071
			121	26 34	65 54'	45 00	63 26	"	54 44'	1'0000	2'0000	2'2360
10	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
11	v	$\left\{ \begin{array}{l} \frac{1}{3}1 \\ 3 \end{array} \right.$	133	18 26	46 30'	18 26	"	13 16	43 29'	0'3333	"	1'0541
			331	45 00	76 44	71 34	71 34	43 29'	"	3'0000	3'0000	4'2426
12	β	$\left\{ \begin{array}{l} \frac{2}{3}1 \\ \frac{2}{3} \end{array} \right.$	255	21 48	47 07'	21 48	45 00	15 47'	42 52'	0'4000	1'0000	1'0771
			552	45 00	74 12'	68 12	68 12	42 52'	"	2'5000	2'5000	3'5355
13	w	$\left\{ \begin{array}{l} \frac{2}{3}1 \\ \frac{2}{3} \end{array} \right.$	233	33 41'	50 14'	33 41'	45 00	25 14'	39 45'	0'6667	1'0000	1'2019
			332	45 00	64 45'	56 18'	56 18'	39 45'	"	1'5000	1'5000	2'1213
14	A	$\left\{ \begin{array}{l} \frac{1}{2}\frac{2}{3} \\ \frac{1}{3}\frac{2}{3} \\ 57 \end{array} \right.$	157	11 18'	36 04	8 08	35 32	6 38	35 16	0'1429	0'7143	0'7284
			175	8 08	54 44	11 18'	54 28	"	53 56	0'2000	1'4000	1'4142
			571	35 32'	83 22	78 41'	81 52	35 16	"	5'0000	7'0000	8'6022

Silberglanz.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
			010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
2	a	$\left\{ \begin{array}{l} 0\frac{1}{3} \\ 03 \\ \infty 3 \end{array} \right.$	013	"	18 26	"	18 26	"	18 26	"	0'3333	0'3333
			031	"	71 34	"	71 34	"	71 34	"	3'0000	3'0000
			130	18 26	90 00	90 00	90 00	18 26	"	0'3333	∞	∞
3	e	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{array} \right.$	012	0 00	26 34	0 00	26 34	0 00	26 34	0	0'5000	0'5000
			021	"	63 26	"	63 26	"	63 26	"	2'0000	2'0000
			120	26 34	90 00	90 00	90 00	26 34	"	0'5000	∞	∞
4	b	$\left\{ \begin{array}{l} 0\frac{2}{3} \\ 03 \\ \infty\frac{2}{3} \end{array} \right.$	023	0 00	33 41'	0 00	33 41'	0 00	33 41'	0	0'6667	0'6667
			032	"	56 18'	"	56 18'	"	56 18'	"	1'5000	1'5000
			230	33 41'	90 00	90 00	90 00	33 41'	"	0'6667	∞	∞
5	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	011	0 00	45 00	0 00	45 00	0 00	45 00	0	1'0000	1'0000
			110	45 00	90 00	90 00	90 00	45 00	"	1'0000	∞	∞

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =lg ϱ
6	m	$\left\{ \begin{array}{l} \frac{1}{3} \\ 13 \end{array} \right.$	$\begin{array}{l} 113 \\ 131 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 18 \ 26 \end{array}$	$\begin{array}{l} 25^\circ 14' \\ 72 \ 27 \end{array}$	$\begin{array}{l} 18^\circ 26' \\ 45 \ 00 \end{array}$	$\begin{array}{l} 18^\circ 26' \\ 71 \ 34 \end{array}$	$\begin{array}{l} 17^\circ 33' \\ " \end{array}$	$\begin{array}{l} 17^\circ 33' \\ 64 \ 45' \end{array}$	$\begin{array}{l} 0.3333 \\ 1.0000 \end{array}$	$\begin{array}{l} 0.3333 \\ 3.0000 \end{array}$	$\begin{array}{l} 0.4714 \\ 3.1623 \end{array}$
7	q	$\left\{ \begin{array}{l} \frac{1}{2} \\ 12 \end{array} \right.$	$\begin{array}{l} 112 \\ 121 \end{array}$	$\begin{array}{l} 45 \ 00 \\ 26 \ 34 \end{array}$	$\begin{array}{l} 35 \ 16 \\ 65 \ 54' \end{array}$	$\begin{array}{l} 26 \ 34 \\ 45 \ 00 \end{array}$	$\begin{array}{l} 26 \ 34 \\ 63 \ 26 \end{array}$	$\begin{array}{l} 24 \ 05' \\ " \end{array}$	$\begin{array}{l} 24 \ 05' \\ 54 \ 44 \end{array}$	$\begin{array}{l} 0.5000 \\ 1.0000 \end{array}$	$\begin{array}{l} 0.5000 \\ 2.0000 \end{array}$	$\begin{array}{l} 0.7071 \\ 2.2360 \end{array}$
8	σ	$\left\{ \begin{array}{l} \frac{3}{2} \\ 1\frac{1}{2} \end{array} \right.$	$\begin{array}{l} 335 \\ 353 \end{array}$	$\begin{array}{l} 45 \ 00 \\ 30 \ 58 \end{array}$	$\begin{array}{l} 40 \ 19 \\ 62 \ 46' \end{array}$	$\begin{array}{l} 30 \ 58 \\ 45 \ 00 \end{array}$	$\begin{array}{l} 30 \ 58 \\ 59 \ 02 \end{array}$	$\begin{array}{l} 27 \ 13' \\ " \end{array}$	$\begin{array}{l} 27 \ 13' \\ 49 \ 41' \end{array}$	$\begin{array}{l} 0.6000 \\ 1.0000 \end{array}$	$\begin{array}{l} 0.6000 \\ 1.6667 \end{array}$	$\begin{array}{l} 0.8485 \\ 1.9437 \end{array}$
9	n	$\left\{ \begin{array}{l} \frac{2}{3} \\ 1\frac{2}{3} \end{array} \right.$	$\begin{array}{l} 223 \\ 232 \end{array}$	$\begin{array}{l} 45 \ 00 \\ 33 \ 41' \end{array}$	$\begin{array}{l} 43 \ 19 \\ 60 \ 59 \end{array}$	$\begin{array}{l} 33 \ 41' \\ 45 \ 00 \end{array}$	$\begin{array}{l} 33 \ 41' \\ 56 \ 18' \end{array}$	$\begin{array}{l} 29 \ 01' \\ " \end{array}$	$\begin{array}{l} 29 \ 01' \\ 46 \ 41' \end{array}$	$\begin{array}{l} 0.6667 \\ 1.0000 \end{array}$	$\begin{array}{l} 0.6667 \\ 1.5000 \end{array}$	$\begin{array}{l} 0.9428 \\ 1.8028 \end{array}$
10	t	$\left\{ \begin{array}{l} \frac{3}{4} \\ 1\frac{3}{4} \end{array} \right.$	$\begin{array}{l} 334 \\ 343 \end{array}$	$\begin{array}{l} 45 \ 00 \\ 36 \ 52 \end{array}$	$\begin{array}{l} 46 \ 41' \\ 59 \ 02 \end{array}$	$\begin{array}{l} 36 \ 52 \\ 45 \ 00 \end{array}$	$\begin{array}{l} 36 \ 52 \\ 53 \ 08' \end{array}$	$\begin{array}{l} 30 \ 58 \\ " \end{array}$	$\begin{array}{l} 30 \ 58 \\ 43 \ 19 \end{array}$	$\begin{array}{l} 0.7500 \\ 1.0000 \end{array}$	$\begin{array}{l} 0.7500 \\ 1.3333 \end{array}$	$\begin{array}{l} 1.0606 \\ 1.6667 \end{array}$
11	p	1	111	45 00	54 44	"	45 00	35 16	35 16	"	1.0000	1.4142
12	u	$\left\{ \begin{array}{l} \frac{1}{2} \\ 2 \end{array} \right.$	$\begin{array}{l} 122 \\ 221 \end{array}$	$\begin{array}{l} 26 \ 34 \\ 45 \ 00 \end{array}$	$\begin{array}{l} 48 \ 11' \\ 70 \ 32 \end{array}$	$\begin{array}{l} 26 \ 34 \\ 63 \ 26 \end{array}$	$\begin{array}{l} " \\ 63 \ 26 \end{array}$	$\begin{array}{l} 19 \ 28 \\ 41 \ 48' \end{array}$	$\begin{array}{l} 41 \ 48' \\ " \end{array}$	$\begin{array}{l} 0.5000 \\ 2.0000 \end{array}$	$\begin{array}{l} " \\ 2.0000 \end{array}$	$\begin{array}{l} 1.1180 \\ 2.8284 \end{array}$

Silberkies.

Rhombisch.

a = 0.5811	lga = 976418	lga ₀ = 002548	lgp ₀ = 997452	a ₀ = 1.0604	p ₀ = 0.9430
c = 0.5479	lgc = 973870	lgb ₀ = 026130	lgq ₀ = 973870	b ₀ = 1.8252	q ₀ = 0.5479

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =lg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	n	3 ∞	310	79 02'	"	90 00	"	79 02'	10 57'	5.1634	"	"
4	m	∞	110	59 50'	"	"	"	59 50'	30 09'	1.7211	"	"
5	l	$\infty 3$	130	29 50'	"	"	"	29 50'	60 09'	0.5737	"	"
6	μ	$\infty 12$	1.12.0	8 10	"	"	"	8 10	81 50	0.1434	"	"
7	y	0 $\frac{1}{2}$	012	0 00	15 19	0 00	15 19	0 00	15 19	0	0.2739	0.2739
8	x	01	011	"	28 43	"	28 43	"	28 43	"	0.5479	0.5479
9	p	$\frac{1}{2}$	112	59 50'	28 36'	25 14'	15 19	24 27	13 55	0.4715	0.2739	0.5453
10	π	21	211	73 48	63 01	62 04	28 43	58 50'	14 23'	1.8860	0.5479	1.9640

Sillimanit.**Rhombohed.**

$$\lg \frac{p_o}{q_o} = 001323; \quad \frac{p_o}{q_o} = 1.0309; \quad \frac{a}{b} = 0.970$$

N _o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	$\frac{x}{y}$ (Prismen) (x : y)	y	d = tg ϱ
1	b	0∞	010	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	0	∞	∞
2	e	∞	110	$45^\circ 52'$	"	$90^\circ 00'$	"	$45^\circ 52'$	$44^\circ 07'$	1.0309	"	"
3	f	$\infty \frac{1}{2}$	230	$34^\circ 30'$	"	"	"	$34^\circ 30'$	$55^\circ 30'$	0.6873	"	"
4	g	$\infty 2$	120	$27^\circ 16'$	"	"	"	$27^\circ 16'$	$62^\circ 44'$	0.5154	"	"

Sipylit.**Tetragonal.**

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 1.45 \quad \lg c = 016137 \quad \lg a_o = 983863 \quad a_o = 0.690$$

N _o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	$\frac{x}{y}$ (Prismen) (x : y)	y	d = tg ϱ
1	p	1	111	$45^\circ 00'$	$64^\circ 00'$	$55^\circ 24'$	$55^\circ 24'$	$39^\circ 27'$	$39^\circ 27'$	1.4500	1.4500	2.0505

**Skapolith-Gruppe
Wernerit.****Tetragonal.**

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 0.440 \quad \lg c = 964345 \quad \lg a_o = 035655 \quad a_o = 2.273$$

N _o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	$\frac{x}{y}$ (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	—	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	0	0	0
2	a	0∞	010	$0^\circ 00'$	$90^\circ 00'$	"	$90^\circ 00'$	"	$90^\circ 00'$	"	∞	∞
3	m	∞	110	$45^\circ 00'$	"	$90^\circ 00'$	"	$45^\circ 00'$	$45^\circ 00'$	1.0000	"	"
4	f	$\infty 2$	120	$26^\circ 34'$	"	"	"	$26^\circ 34'$	$63^\circ 26'$	0.5000	"	"
5	e	01	011	$0^\circ 00'$	$23^\circ 45'$	$0^\circ 00'$	$23^\circ 45'$	$0^\circ 00'$	$23^\circ 45'$	0	0.4400	0.4400
6	r	1	111	$45^\circ 00'$	$31^\circ 53'$	$23^\circ 45'$	"	$21^\circ 56'$	$21^\circ 56'$	0.4400	"	0.6222
7	w	3	331	"	$61^\circ 49'$	$52^\circ 51'$	$52^\circ 51'$	$38^\circ 33'$	$38^\circ 33'$	1.3200	1.3200	1.8667
8	z	13	131	$18^\circ 26'$	$54^\circ 17'$	$23^\circ 45'$	"	$14^\circ 52'$	$50^\circ 23'$	0.4400	"	1.3914

Skleroklas.

Rhombisch.

$a = 0.9561$	$\lg a = 998050$	$\lg a_0 = 009361$	$\lg p_0 = 990639$	$a_0 = 1.2405$	$p_0 = 0.8061$
$c = 0.7707$	$\lg c = 988689$	$\lg b_0 = 011311$	$\lg q_0 = 988689$	$b_0 = 1.2975$	$q_0 = 0.7707$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\tan \varrho$
1	a	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	b	0∞	010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	c	∞0	100	90°00	"	90°00	0°00	90°00	0°00	∞	0	"
4	u	$\frac{3}{2}\infty$	320	57°29	"	"	90°00	57°29	32°31	1.5689	∞	"
5	z	∞	110	46°17	"	"	"	46°17	43°43	1.0459	"	"
6	s	$\infty\frac{3}{2}$	560	41°04	"	"	"	41°04	48°55	0.8716	"	"
7	v	$\infty\frac{3}{2}$	230	34°53	"	"	"	34°53	55°07	0.6973	"	"
8	y	∞2	120	27°36	"	"	"	27°36	62°23	0.5229	"	"
9	w	∞12	1'12'0	4°59	"	"	"	4°59	85°01	0.0871	"	"
10	h	$\frac{1}{2}0$	102	90°00	21°57	21°57	0°00	21°57	0°00	0.4030	0	0.4030
11	d	10	101	"	38°52	38°52	"	38°52	"	0.8061	"	0.8061
12	e	$\frac{3}{2}0$	302	"	50°24	50°24	"	50°24	"	1.2091	"	1.2091
13	f	20	201	"	58°11	58°11	"	58°11	"	1.6122	"	1.6122

Skolezit.

Monoklin.

$a = 0.9758$	$\lg a = 998936$	$\lg a_0 = 045356$	$\lg p_0 = 954644$	$a_0 = 2.8416$	$p_0 = 0.3519$
$c = 0.3434$	$\lg c = 953580$	$\lg b_0 = 046420$	$\lg q_0 = 953575$	$b_0 = 2.9120$	$q_0 = 0.3434$
$\mu = \left. \begin{matrix} 180 \\ 80 \end{matrix} \right\} 89^\circ 09$	$\lg h = \left. \begin{matrix} 1 \\ \lg \sin \mu \end{matrix} \right\} 999995$	$\lg e = \left. \begin{matrix} 1 \\ \lg \cos \mu \end{matrix} \right\} 817128$	$\lg \frac{p_0}{q_0} = 001069$	$h = 0.9999$	$e = 0.0148$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\tan \varrho$
1	b	0∞	010	0°00	90°00	0°00	90°00	0°00	90°00	0	∞	∞
2	a	∞0	100	90°00	"	90°00	0°00	90°00	0°00	∞	0	"
3	n	5∞	510	78°57	"	"	90°00	78°57	11°02	5.1246	∞	"
4	l	2∞	210	63°59	"	"	"	63°59	26°00	2.0498	"	"
5	m	∞	110	45°42	"	"	"	45°42	44°17	1.0249	"	"
6	h	$\infty\frac{1}{2}$	470	30°21	"	"	"	30°21	59°38	0.5856	"	"
7	k	∞2	120	27°08	"	"	"	27°08	62°52	0.5124	"	"
8	d	+10	101	90°00	20°08	20°08	0°00	20°08	0°00	0.3667	0	0.3667
9	o	-1	111	46°53	26°40	"	18°57	19°08	17°52	"	0.3434	0.5024

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' $=\operatorname{tg} \varrho$
10	s	+31	311	72° 13'	48° 21'	46° 57'	18° 57'	45° 21'	13° 11'	1'0706	0'3434	1'1243
11	e	-1	111	44 28'	25 42'	18 38'	"	17 41'	18 01'	0'3371'	"	0'4812
12	q	+1 $\frac{1}{2}$	474	31 23'	35 09'	20 08'	31 00'	17 27'	29 26'	0'3667'	0'6009'	0'7040
13	p	+13	131	19 36'	47 33'	"	45 51'	14 20'	44 03'	"	1'0302	1'0935
14	w	+5	551	45 56'	67 57'	60 36'	59 47'	41 46'	40 08'	1'7745	1'7170	2'4692
15	x	+4	441	46 00'	63 10'	54 53'	53 57'	39 56'	38 18'	1'4226	1'3736	1'9774
16	v	+3	331	46 06'	56 03'	46 57'	45 51'	36 42'	35 07'	1'0706	1'0302	1'4858
17	y	+1 $\frac{1}{2}$	12'12'5	46 12'	49 58'	40 40'	39 29'	33 33'	32 00'	0'8594	0'8241'	1'1907
18	z	+ $\frac{1}{2}$	332	46 29'	36 48'	28 29'	27 15'	25 45'	24 21'	0'5427	0'5151	0'7482
19	r	-5	551	45 28'	67 47'	60 11'	59 47'	41 17'	40 29'	1'7449	1'7170	2'4480
20	t	+53	531	59 52'	64 01'	60 36'	45 51'	51 01'	26 50'	1'7745	1'0302	2'0518
21	u	+13'11	13'11'1	50 34'	80 27'	77 43'	75 10'	49 37'	38 47'	4'5942'	3'7774	5'9477

Skorodit.

Rhombisch.

a = 0'8680	lg a = 993852	lg a ₀ = 995571	lg p ₀ = 004429	a ₀ = 0'9031	p ₀ = 1'1074
c = 0'9612	lg c = 998281	lg b ₀ = 001719	lg q ₀ = 998281	b ₀ = 1'0404	q ₀ = 0'9612

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d $=\operatorname{tg} \varrho$
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	b	0∞	010	0° 00'	90 00'	"	90 00'	"	90 00'	"	∞	∞
3	a	∞0	100	90 00'	"	90 00'	0 00'	90 00'	0 00'	∞	0	"
4	n	∞	110	49 02'	"	"	90 00'	49 02'	40 57'	1'1520	∞	"
5	k	∞ $\frac{1}{2}$	340	40 49'	"	"	"	40 49'	49 10'	0'8640	"	"
6	d	∞2	120	29 56'	"	"	"	29 56'	60 03'	0'5760	"	"
7	e	0 $\frac{1}{2}$	012	0 00'	25 40'	0 00'	25 40'	0 00'	25 40'	0	0'4806	0'4806
8	f	01	011	"	43 52'	"	43 52'	"	43 52'	"	0'9612	0'9612
9	h	10	101	90 00'	47 55'	47 55'	0 00'	47 55'	0 00'	1'1073	0	1'1073
10	m	20	201	"	65 42'	65 42'	"	65 42'	"	2'2148	"	2'2148
11	i	$\frac{1}{2}$	112	49 02'	36 15'	28 58'	25 40'	26 31'	22 48'	0'5537	0'4806	0'7332
12	p	1	111	"	55 42'	47 55'	43 52'	38 36'	32 47'	1'1073	0'9612	1'4663
13	s	12	121	29 56'	65 44'	"	62 31'	27 04'	52 11'	"	1'9224	2'2185

Skutterudit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ν
1	c	$\begin{Bmatrix} 0 \\ 0\infty \end{Bmatrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} — \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	a	$\begin{Bmatrix} 0\frac{1}{2} \\ 03 \\ \infty 3 \end{Bmatrix}$	$\begin{matrix} 013 \\ 031 \\ 130 \end{matrix}$	$\begin{matrix} " \\ " \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ " \end{matrix}$	$\begin{matrix} " \\ " \\ 0^\circ 3333 \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{matrix}$
3	d	$\begin{Bmatrix} 01 \\ \infty \end{Bmatrix}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
4	q	$\begin{Bmatrix} \frac{1}{2} \\ 12 \end{Bmatrix}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7071 \\ 2^\circ 2360 \end{matrix}$
5	p	1	111	45° 00'	54° 44'	"	45° 00'	35° 16'	35° 16'	"	1° 0000	1° 4142
6	u	$\begin{Bmatrix} \frac{1}{2}1 \\ 2 \end{Bmatrix}$	$\begin{matrix} 122 \\ 221 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 48^\circ 11' \\ 70^\circ 32' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} " \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 19^\circ 28' \\ 41^\circ 48' \end{matrix}$	$\begin{matrix} 41^\circ 48' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} " \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 1180 \\ 2^\circ 8284 \end{matrix}$
7	w	$\begin{Bmatrix} \frac{2}{3}1 \\ \frac{3}{2} \end{Bmatrix}$	$\begin{matrix} 233 \\ 332 \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 50^\circ 14' \\ 64^\circ 45' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 56^\circ 18' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 56^\circ 18' \end{matrix}$	$\begin{matrix} 25^\circ 14' \\ 39^\circ 45' \end{matrix}$	$\begin{matrix} 39^\circ 45' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 6667 \\ 1^\circ 5000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ 1^\circ 5000 \end{matrix}$	$\begin{matrix} 1^\circ 2019 \\ 2^\circ 1213 \end{matrix}$
8	x	$\begin{Bmatrix} \frac{1}{2}\frac{2}{3} \\ \frac{1}{2}\frac{3}{2} \\ \frac{2}{3}23 \end{Bmatrix}$	$\begin{matrix} 123 \\ 132 \\ 231 \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 18^\circ 26' \\ 33^\circ 41' \end{matrix}$	$\begin{matrix} 36^\circ 42' \\ 57^\circ 41' \\ 74^\circ 30' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 56^\circ 18' \\ 71^\circ 34' \end{matrix}$	$\begin{matrix} 15^\circ 30' \\ " \\ 32^\circ 18' \end{matrix}$	$\begin{matrix} 32^\circ 18' \\ 53^\circ 18' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 6667 \\ 1^\circ 5000 \\ 3^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7453 \\ 1^\circ 5811 \\ 3^\circ 6055 \end{matrix}$
9	F	$\begin{Bmatrix} \frac{1}{2}\frac{2}{3} \\ \frac{2}{3}\frac{3}{2} \\ \frac{4}{3}2 \end{Bmatrix}$	$\begin{matrix} 346 \\ 364 \\ 463 \end{matrix}$	$\begin{matrix} 36^\circ 52' \\ 26^\circ 34' \\ 33^\circ 41' \end{matrix}$	$\begin{matrix} 39^\circ 48' \\ 59^\circ 11' \\ 67^\circ 24' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 36^\circ 52' \\ 53^\circ 08' \end{matrix}$	$\begin{matrix} 33^\circ 41' \\ 56^\circ 18' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 22^\circ 35' \\ " \\ 30^\circ 48' \end{matrix}$	$\begin{matrix} 30^\circ 48' \\ 50^\circ 11' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 0^\circ 7500 \\ 1^\circ 3333 \end{matrix}$	$\begin{matrix} 0^\circ 6667 \\ 1^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 8333 \\ 1^\circ 0770 \\ 2^\circ 4037 \end{matrix}$

Soda.

Monoklin.

a = 1'4828	lg a = 017106	lg a ₀ = 002481	lg p ₀ = 997519	a ₀ = 1'0588	p ₀ = 0'9445
c = 1'4004	lg c = 014625	lg b ₀ = 985375	lg q ₀ = 007871	b ₀ = 0'7141	q ₀ = 1'1987
$\mu_{180-\beta} = \left. \begin{matrix} \\ \end{matrix} \right\} 58^\circ 52'$	$\lg h = \left. \begin{matrix} \\ \end{matrix} \right\} 993246$	$\lg e = \left. \begin{matrix} \\ \end{matrix} \right\} 971352$	$\lg \frac{p_0}{q_0} = 989648$	h = 0'8560	e = 0'5170

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ν
1	p	0	001	90° 00'	31° 08'	31° 08'	0° 00'	31° 08'	0° 00'	0'6040	0	0'6040
2	b	0 ∞	010	0° 00'	90° 00'	0° 00'	90° 00'	0° 00'	90° 00'	0	∞	∞
3	a	$\infty 0$	100	90° 00'	"	90° 00'	0° 00'	90° 00'	0° 00'	∞	0	"
4	m	∞	110	38° 14'	"	"	90° 00'	38° 14'	51° 46'	0'7878	∞	"
5	e	01	011	23° 20'	56° 45'	31° 08'	54° 28'	19° 20'	50° 10'	0'6040	1'4004	1'5251
6	s	—10	101	90° 00'	26° 32'	26° 32'	0° 00'	26° 32'	0° 00'	0'4994	0	0'4994
7	u	— $\frac{1}{2}$	112	4° 16'	35° 04'	3° 00'	35° 00'	2° 27'	34° 58'	0'0522	0'7002	0'7021

Sodalith.

Regulär.

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} — \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} " \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ " \end{matrix}$	$\begin{matrix} " \\ 1'0000 \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$	$\begin{matrix} 1'0000 \\ \infty \end{matrix}$
3	k	$\begin{cases} \frac{1}{4} \\ 14 \end{cases}$	$\begin{matrix} 114 \\ 141 \end{matrix}$	$\begin{matrix} " \\ 14^\circ 02 \end{matrix}$	$\begin{matrix} 19^\circ 28 \\ 76^\circ 22 \end{matrix}$	$\begin{matrix} 14^\circ 02 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 14^\circ 02 \\ 75^\circ 58 \end{matrix}$	$\begin{matrix} 13^\circ 38 \\ " \end{matrix}$	$\begin{matrix} 13^\circ 38 \\ 70^\circ 32 \end{matrix}$	$\begin{matrix} 0'2500 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'2500 \\ 4'0000 \end{matrix}$	$\begin{matrix} 0'3535 \\ 4'1231 \end{matrix}$
4	q	$\begin{cases} \frac{1}{2} \\ 12 \end{cases}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 26^\circ 34 \end{matrix}$	$\begin{matrix} 35^\circ 16 \\ 65^\circ 54 \end{matrix}$	$\begin{matrix} 26^\circ 34 \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 26^\circ 34 \\ 63^\circ 26 \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44 \end{matrix}$	$\begin{matrix} 0'5000 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'5000 \\ 2'0000 \end{matrix}$	$\begin{matrix} 0'7071 \\ 2'2360 \end{matrix}$
5	p	1	111	45° 00	54° 44	"	45° 00	35° 16	35° 16	"	1'0000	1'4142

Spangolith.

Hexagonal.

$$c = 3'0162 \quad \lg c = 047946 \quad \lg a_0 = 975910 \quad \lg p_0 = 030337 \quad a_0 = 0'5742 \quad p_0 = 2'0108 \quad (G_1)$$

Nr.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	$\infty 0$	1010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	m	∞	1120	30° 00	"	90° 00	"	30° 00	60° 00	0'5773	"	"
4	k	$\frac{1}{4}0$	1014	0° 00	26° 41'	0° 00	26° 41'	0° 00	26° 41'	0	0'5027	0'5027
5	n	$\frac{1}{4}0$	1013	"	33° 50'	"	33° 50'	"	33° 50'	"	0'6703	0'6703
6	o	$\frac{1}{2}0$	1012	"	45° 09'	"	45° 09'	"	45° 09'	"	1'0054	1'0054
7	ϱ	$\frac{3}{4}0$	3034	"	56° 27'	"	56° 27'	"	56° 27'	"	1'5081	1'5081
8	l	$\frac{3}{4}0$	6067	"	59° 52'	"	59° 52'	"	59° 52'	"	1'7235	1'7235
9	p	10	1011	"	63° 33'	"	63° 33'	"	63° 33'	"	2'0108	2'0108
10	x	$\frac{3}{2}0$	3032	"	71° 39'	"	71° 39'	"	71° 39'	"	3'0162	3'0162
11	y	20	2021	"	76° 02'	"	76° 02'	"	76° 02'	"	4'0216	4'0216
12	z	30	3031	"	80° 35'	"	80° 35'	"	80° 35'	"	6'0324	6'0324

Speisskobalt.**Regulär.**

(Mit Chloanthit vereinigt.)

Sperrylith.**Regulär. Pentagonal-hemledrisch.**

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} — \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{matrix} 012 \\ 021 \\ 120 \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ " \end{matrix}$	$\begin{matrix} " \\ " \\ 0^\circ 5000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{matrix}$
3	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
4	p	1	111	"	54^\circ 44'	45^\circ 00'	45^\circ 00'	35^\circ 16'	35^\circ 16'	"	1^\circ 0000	1^\circ 4142
5	?A	$\begin{cases} \frac{1}{3}\frac{1}{2} \\ \frac{2}{3}2 \\ \frac{2}{3}5 \end{cases}$	$\begin{matrix} 2^\circ 5' 10'' \\ 2^\circ 10' 5'' \\ 5^\circ 10' 2'' \end{matrix}$	$\begin{matrix} 21^\circ 48' \\ 11^\circ 18' \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 28^\circ 18' \\ 63^\circ 53' \\ 79^\circ 51' \end{matrix}$	$\begin{matrix} 11^\circ 18' \\ 21^\circ 48' \\ 68^\circ 12' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \\ 78^\circ 41' \end{matrix}$	$\begin{matrix} 10^\circ 08' \\ " \\ 26^\circ 07' \end{matrix}$	$\begin{matrix} 26^\circ 07' \\ 61^\circ 42' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 2000 \\ 0^\circ 4000 \\ 2^\circ 5000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \\ 5^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 5385 \\ 2^\circ 0396 \\ 5^\circ 5901 \end{matrix}$

Spinell.**Regulär.**

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} — \\ 0^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	a	$\begin{cases} 0\frac{1}{3} \\ 03 \\ \infty 3 \end{cases}$	$\begin{matrix} 013 \\ 031 \\ 130 \end{matrix}$	$\begin{matrix} " \\ " \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} " \\ " \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \\ " \end{matrix}$	$\begin{matrix} " \\ " \\ 0^\circ 3333 \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{matrix}$
3	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 90^\circ 00' \end{matrix}$	$\begin{matrix} 0^\circ 00' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ " \end{matrix}$	$\begin{matrix} 0 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$	$\begin{matrix} 1^\circ 0000 \\ \infty \end{matrix}$
4	r	$\begin{cases} \frac{1}{6} \\ 16 \end{cases}$	$\begin{matrix} 116 \\ 161 \end{matrix}$	$\begin{matrix} " \\ 9^\circ 27' \end{matrix}$	$\begin{matrix} 13^\circ 16' \\ 80^\circ 40' \end{matrix}$	$\begin{matrix} 9^\circ 27' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 9^\circ 27' \\ 80^\circ 32' \end{matrix}$	$\begin{matrix} 9^\circ 20' \\ " \end{matrix}$	$\begin{matrix} 9^\circ 20' \\ 76^\circ 44' \end{matrix}$	$\begin{matrix} 0^\circ 1667 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 1667 \\ 6^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 2357 \\ 6^\circ 0827 \end{matrix}$
5	l	$\begin{cases} \frac{1}{3} \\ 15 \end{cases}$	$\begin{matrix} 115 \\ 151 \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 11^\circ 18' \end{matrix}$	$\begin{matrix} 15^\circ 47' \\ 78^\circ 54' \end{matrix}$	$\begin{matrix} 11^\circ 18' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 11^\circ 18' \\ 78^\circ 41' \end{matrix}$	$\begin{matrix} 11^\circ 06' \\ " \end{matrix}$	$\begin{matrix} 11^\circ 06' \\ 74^\circ 12' \end{matrix}$	$\begin{matrix} 0^\circ 2000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 2000 \\ 5^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 2828 \\ 5^\circ 0989 \end{matrix}$
6	m	$\begin{cases} \frac{1}{3} \\ 13 \end{cases}$	$\begin{matrix} 113 \\ 131 \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 18^\circ 26' \end{matrix}$	$\begin{matrix} 25^\circ 14' \\ 72^\circ 27' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 18^\circ 26' \\ 71^\circ 34' \end{matrix}$	$\begin{matrix} 17^\circ 33' \\ " \end{matrix}$	$\begin{matrix} 17^\circ 33' \\ 64^\circ 45' \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 3333 \\ 3^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 4714 \\ 3^\circ 1623 \end{matrix}$
7	q	$\begin{cases} \frac{1}{2} \\ 12 \end{cases}$	$\begin{matrix} 112 \\ 121 \end{matrix}$	$\begin{matrix} 45^\circ 00' \\ 26^\circ 34' \end{matrix}$	$\begin{matrix} 35^\circ 16' \\ 65^\circ 54' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 45^\circ 00' \end{matrix}$	$\begin{matrix} 26^\circ 34' \\ 63^\circ 26' \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ " \end{matrix}$	$\begin{matrix} 24^\circ 05' \\ 54^\circ 44' \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 1^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 5000 \\ 2^\circ 0000 \end{matrix}$	$\begin{matrix} 0^\circ 7071 \\ 2^\circ 2360 \end{matrix}$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
8	n	$\left\{ \begin{smallmatrix} 2 \\ 1\frac{1}{2} \end{smallmatrix} \right.$	$\begin{smallmatrix} 223 \\ 232 \end{smallmatrix}$	$\begin{smallmatrix} 45^\circ 00' \\ 33\ 41' \end{smallmatrix}$	$\begin{smallmatrix} 43^\circ 19' \\ 60\ 59' \end{smallmatrix}$	$\begin{smallmatrix} 33^\circ 41' \\ 45\ 00' \end{smallmatrix}$	$\begin{smallmatrix} 33^\circ 41' \\ 56\ 18' \end{smallmatrix}$	$\begin{smallmatrix} 29^\circ 01' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 29^\circ 01' \\ 46\ 41' \end{smallmatrix}$	$\begin{smallmatrix} 0.6667 \\ 1.0000 \end{smallmatrix}$	$\begin{smallmatrix} 0.6667 \\ 1.5000 \end{smallmatrix}$	$\begin{smallmatrix} 0.9428 \\ 1.8028 \end{smallmatrix}$
9	p	I	III	45 00	54 44	"	45 00	35 16	35 16	"	1.0000	1.4142
10	A	$\left\{ \begin{smallmatrix} 11 \\ 11\frac{1}{2} \end{smallmatrix} \right.$	$\begin{smallmatrix} 111 \\ 111\frac{1}{2} \end{smallmatrix}$	$\begin{smallmatrix} 5\ 11' \\ 45\ 00' \end{smallmatrix}$	$\begin{smallmatrix} 45\ 07' \\ 86\ 19' \end{smallmatrix}$	$\begin{smallmatrix} 5\ 11' \\ 84\ 48' \end{smallmatrix}$	$\begin{smallmatrix} " \\ 84\ 48' \end{smallmatrix}$	$\begin{smallmatrix} 3\ 40' \\ 44\ 53' \end{smallmatrix}$	$\begin{smallmatrix} 44\ 53' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0.0909 \\ 11.0000 \end{smallmatrix}$	$\begin{smallmatrix} " \\ 11.0000 \end{smallmatrix}$	$\begin{smallmatrix} 1.0041 \\ 15.556 \end{smallmatrix}$
11	B	$\left\{ \begin{smallmatrix} 1 \\ 7 \end{smallmatrix} \right.$	$\begin{smallmatrix} 177 \\ 771 \end{smallmatrix}$	$\begin{smallmatrix} 8\ 08' \\ 45\ 00' \end{smallmatrix}$	$\begin{smallmatrix} 45\ 17' \\ 84\ 14' \end{smallmatrix}$	$\begin{smallmatrix} 8\ 08' \\ 81\ 52' \end{smallmatrix}$	$\begin{smallmatrix} 45\ 00' \\ 81\ 52' \end{smallmatrix}$	$\begin{smallmatrix} 5\ 46' \\ 44\ 42' \end{smallmatrix}$	$\begin{smallmatrix} 44\ 42' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0.1429 \\ 7.0000 \end{smallmatrix}$	$\begin{smallmatrix} 1.0000 \\ 7.0000 \end{smallmatrix}$	$\begin{smallmatrix} 1.0101 \\ 9.8994 \end{smallmatrix}$
12	v	$\left\{ \begin{smallmatrix} 1 \\ 3 \end{smallmatrix} \right.$	$\begin{smallmatrix} 133 \\ 331 \end{smallmatrix}$	$\begin{smallmatrix} 18\ 26' \\ 45\ 00' \end{smallmatrix}$	$\begin{smallmatrix} 46\ 30' \\ 76\ 44' \end{smallmatrix}$	$\begin{smallmatrix} 18\ 26' \\ 71\ 34' \end{smallmatrix}$	$\begin{smallmatrix} 45\ 00' \\ 71\ 34' \end{smallmatrix}$	$\begin{smallmatrix} 13\ 16' \\ 43\ 29' \end{smallmatrix}$	$\begin{smallmatrix} 43\ 29' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0.3333 \\ 3.0000 \end{smallmatrix}$	$\begin{smallmatrix} 1.0000 \\ 3.0000 \end{smallmatrix}$	$\begin{smallmatrix} 1.0541 \\ 4.2426 \end{smallmatrix}$
13	u	$\left\{ \begin{smallmatrix} 1 \\ 2 \end{smallmatrix} \right.$	$\begin{smallmatrix} 122 \\ 221 \end{smallmatrix}$	$\begin{smallmatrix} 26\ 34' \\ 45\ 00' \end{smallmatrix}$	$\begin{smallmatrix} 48\ 11' \\ 70\ 32' \end{smallmatrix}$	$\begin{smallmatrix} 26\ 34' \\ 63\ 26' \end{smallmatrix}$	$\begin{smallmatrix} 45\ 00' \\ 63\ 26' \end{smallmatrix}$	$\begin{smallmatrix} 19\ 28' \\ 41\ 48' \end{smallmatrix}$	$\begin{smallmatrix} 41\ 48' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0.5000 \\ 2.0000 \end{smallmatrix}$	$\begin{smallmatrix} 1.0000 \\ 2.0000 \end{smallmatrix}$	$\begin{smallmatrix} 1.1180 \\ 2.8284 \end{smallmatrix}$
14	r	$\left\{ \begin{smallmatrix} 1 \\ 3 \end{smallmatrix} \right.$	$\begin{smallmatrix} 233 \\ 332 \end{smallmatrix}$	$\begin{smallmatrix} 33\ 41' \\ 45\ 00' \end{smallmatrix}$	$\begin{smallmatrix} 50\ 14' \\ 64\ 45' \end{smallmatrix}$	$\begin{smallmatrix} 33\ 41' \\ 56\ 18' \end{smallmatrix}$	$\begin{smallmatrix} 45\ 00' \\ 56\ 18' \end{smallmatrix}$	$\begin{smallmatrix} 25\ 14' \\ 39\ 45' \end{smallmatrix}$	$\begin{smallmatrix} 39\ 45' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0.6667 \\ 1.5000 \end{smallmatrix}$	$\begin{smallmatrix} 1.0000 \\ 1.5000 \end{smallmatrix}$	$\begin{smallmatrix} 1.2019 \\ 2.1213 \end{smallmatrix}$
15	π	$\left\{ \begin{smallmatrix} 1 \\ 6 \end{smallmatrix} \right.$	$\begin{smallmatrix} 677 \\ 776 \end{smallmatrix}$	$\begin{smallmatrix} 40\ 36' \\ 45\ 00' \end{smallmatrix}$	$\begin{smallmatrix} 52\ 47' \\ 58\ 47' \end{smallmatrix}$	$\begin{smallmatrix} 40\ 36' \\ 49\ 24' \end{smallmatrix}$	$\begin{smallmatrix} 45\ 00' \\ 49\ 24' \end{smallmatrix}$	$\begin{smallmatrix} 31\ 13' \\ 37\ 12' \end{smallmatrix}$	$\begin{smallmatrix} 37\ 12' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0.8572 \\ 1.1667 \end{smallmatrix}$	$\begin{smallmatrix} 1.0000 \\ 1.1667 \end{smallmatrix}$	$\begin{smallmatrix} 1.3170 \\ 1.6499 \end{smallmatrix}$
16	z	$\left\{ \begin{smallmatrix} 1 \\ 3 \end{smallmatrix} \right.$	$\begin{smallmatrix} 135 \\ 153 \\ 351 \end{smallmatrix}$	$\begin{smallmatrix} 18\ 26' \\ 11\ 18' \\ 30\ 58' \end{smallmatrix}$	$\begin{smallmatrix} 32\ 18' \\ 59\ 32' \\ 80\ 16' \end{smallmatrix}$	$\begin{smallmatrix} 11\ 18' \\ 18\ 26' \\ 71\ 34' \end{smallmatrix}$	$\begin{smallmatrix} 30\ 58' \\ 59\ 02' \\ 78\ 41' \end{smallmatrix}$	$\begin{smallmatrix} 9\ 44' \\ " \\ 30\ 28' \end{smallmatrix}$	$\begin{smallmatrix} 30\ 28' \\ 57\ 41' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0.2000 \\ 0.3333 \\ 3.0000 \end{smallmatrix}$	$\begin{smallmatrix} 0.6000 \\ 1.6667 \\ 5.0000 \end{smallmatrix}$	$\begin{smallmatrix} 0.6325 \\ 1.6996 \\ 5.8310 \end{smallmatrix}$
17	Ω	$\left\{ \begin{smallmatrix} 1 \\ 2 \end{smallmatrix} \right.$	$\begin{smallmatrix} 5713 \\ 5137 \\ 7135 \end{smallmatrix}$	$\begin{smallmatrix} 35\ 32' \\ 21\ 02' \\ 28\ 18' \end{smallmatrix}$	$\begin{smallmatrix} 33\ 29' \\ 63\ 19' \\ 71\ 17' \end{smallmatrix}$	$\begin{smallmatrix} 21\ 02' \\ 35\ 32' \\ 54\ 27' \end{smallmatrix}$	$\begin{smallmatrix} 28\ 18' \\ 61\ 42' \\ 68\ 57' \end{smallmatrix}$	$\begin{smallmatrix} 18\ 42' \\ " \\ 26\ 41' \end{smallmatrix}$	$\begin{smallmatrix} 26\ 41' \\ 56\ 30' \\ " \end{smallmatrix}$	$\begin{smallmatrix} 0.3846 \\ 0.7143 \\ 1.4000 \end{smallmatrix}$	$\begin{smallmatrix} 0.5385 \\ 1.8572 \\ 2.6000 \end{smallmatrix}$	$\begin{smallmatrix} 0.6617 \\ 1.9898 \\ 2.9530 \end{smallmatrix}$

Spodiosit.

Rhombisch.

a = 0.8944	lg a = 995153	lg a ₀ = 975188	lg p ₀ = 024812	a ₀ = 0.5648	p ₀ = 1.7706
c = 1.5836	lg c = 019965	lg b ₀ = 980035	lg q ₀ = 019965	b ₀ = 0.6315	q ₀ = 1.5836

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	b	0∞	010	0° 00'	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	48 11'	"	"	90 00	48 11'	41 48'	1.1181	∞	"
5	e	02	021	0 00	72 28'	0 00	72 28'	0 00	72 28'	0	3.1672	3.1672
6	d	$\frac{1}{2}$ 0	102	90 00	41 31	41 31	0 00	41 31	0 00	0.8853	0	0.8853
7	p	I	111	48 11'	67 10	60 32'	57 44	43 23'	37 54'	1.7706	1.5836	2.3755

Spodumen.

Monoklin.

$a = 1.3727$	$\lg a = 0.13757$	$\lg a_0 = 0.03377$	$\lg p_0 = 9.96623$	$a_0 = 1.0809$	$p_0 = 0.9252$
$c = 1.270$	$\lg c = 0.10380$	$\lg b_0 = 9.89620$	$\lg q_0 = 9.98901$	$b_0 = 0.7874$	$q_0 = 0.9750$
$\mu_{180} = \beta \left\{ \begin{array}{l} 50.09 \\ 50.09 \end{array} \right.$	$\lg h = \left\{ \begin{array}{l} 9.88521 \\ \lg \sin \mu \end{array} \right.$	$\lg e = \left\{ \begin{array}{l} 9.80671 \\ \lg \cos \mu \end{array} \right.$	$\lg \frac{p_0}{q_0} = 9.97722$	$h = 0.7677$	$e = 0.6408$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
1	b	0∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	$\infty 0$	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	l	$\frac{3}{2}\infty$	320	54° 54'	"	"	90° 00	54° 54'	35° 05'	1.4233	∞	"
4	j	$\infty \frac{3}{2}$	110	43° 30'	"	"	"	43° 30'	46° 30'	0.9489	"	"
5	k	$\infty \frac{3}{2}$	230	32° 19'	"	"	"	32° 19'	57° 41'	0.6326	"	"
6	m	$\infty 2$	120	25° 23'	"	"	"	25° 23'	64° 37'	0.4744	"	"
7	n	$\infty 3$	130	17° 33'	"	"	"	17° 33'	72° 27'	0.3163	"	"
8	z	$\infty 5$	150	10° 45'	"	"	"	10° 45'	79° 15'	0.1897	"	"
9	o	$0\frac{1}{2}$	012	52° 44'	46° 22'	39° 51'	32° 25'	35° 10'	25° 59'	0.8346	0.6350	1.0487
10	r	01	011	33° 19'	56° 39'	"	51° 47'	27° 18'	44° 16'	"	1.2700	1.5197
11	x	$0\frac{3}{2}$	032	23° 39'	64° 19'	"	62° 18'	21° 12'	55° 38'	"	1.9050	2.0748
12	e	02	021	18° 11'	69° 29'	"	68° 30'	17° 00'	62° 51'	"	2.5400	2.6736
13	c	-10	101	90° 00	20° 19'	20° 19'	0° 00	20° 19'	0° 00	0.3704	0	0.3704
14	d	+1	111	58° 05'	67° 24'	63° 53'	51° 47'	51° 36'	29° 12'	2.0398	1.2700	2.4028
15	φ	$-\frac{1}{4}$	114	59° 14'	31° 50'	28° 04'	17° 37'	26° 57'	15° 39'	0.5458	0.3175	0.6207
16	p	$-\frac{1}{2}$	112	20° 05'	34° 04'	13° 04'	32° 25'	11° 05'	31° 44'	0.2321	0.6350	0.6761
17	u	$-\frac{2}{3}$	223	2° 07'	40° 16'	1° 47'	40° 15'	1° 22'	40° 14'	0.0313	0.8467	0.8472
18	t	-1	111	16° 16'	52° 55'	20° 19'	51° 47'	12° 54'	49° 59'	0.3704	1.2700	1.3229
19	ξ	$-\frac{3}{2}$	332	27° 03'	64° 56'	44° 13'	62° 18'	24° 20'	53° 47'	0.9730	1.9050	2.1300
20	e	-2	221	31° 48'	71° 30'	57° 36'	68° 30'	29° 59'	53° 42'	1.5755	2.5400	2.9889
21	g	-4	441	38° 07'	81° 12'	75° 55'	78° 52'	37° 36'	51° 01'	3.9864	5.0800	6.4573
22	s	+12	121	38° 46'	72° 56'	63° 53'	68° 30'	36° 46'	48° 11'	2.0398	2.5400	3.2576
23	r	+14	141	21° 52'	79° 39'	"	78° 52'	21° 30'	65° 54'	"	5.0800	5.4742
24	f	$-\frac{1}{2}$	212	30° 15'	36° 19'	20° 19'	32° 25'	17° 22'	30° 46'	0.3704	0.6350	0.7351
25	w	$+\frac{1}{2}$	122	48° 32'	62° 28'	55° 10'	51° 47'	41° 38'	35° 37'	1.4372	1.2700	1.9179
26	z	-23	231	22° 38'	76° 23'	57° 48'	75° 17'	21° 58'	63° 46'	1.5885	3.8100	4.1274
27	v	$+\frac{1}{2}$	142	29° 30'	71° 05'	55° 10'	68° 30'	27° 46'	55° 25'	1.4372	2.5400	2.9184
28	q	$-\frac{1}{4}$	134	29° 15'	47° 30'	28° 04'	43° 36'	21° 07'	40° 02'	0.5458	0.9525	1.0917
29	y	$+\frac{3}{2}$	362	19° 22'	76° 05'	53° 16'	75° 17'	18° 47'	66° 18'	1.3398	3.8100	4.0387

Staurolith.**Rhomblech.**

$a = 0.6942$	$\lg a = 984148$	$\lg a_0 = 985048$	$\lg p_0 = 014952$	$a_0 = 0.7087$	$p_0 = 1.4110$
$c = 0.9795$	$\lg c = 999100$	$\lg b_0 = 000900$	$\lg q_0 = 999100$	$b_0 = 1.0209$	$q_0 = 0.9795$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' = tge
1	a	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	c	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	r	∞	110	55 14	"	90 00	"	55 14	34 46	1.4405	"	"
4	x	01	011	0 00	44 24'	0 00	44 24'	0 00	44 24'	0	0.9795	0.9795
5	m	$\frac{3}{2}0$	302	90 00	64 42'	64 42'	0 00	64 42'	0 00	2.1164	0	2.1164
6	z	1	111	55 14	59 47'	54 40'	44 24'	45 13'	29 31'	1.4110	0.9795	1.7176

Steenstrupin.**Hexagonal. Rhomboedrisch-hemledrisch.**

$c = 1.11$	$\lg c = 004532$	$\lg a_0 = 019324$	$\lg p_0 = 986923$	$a_0 = 1.5604$	$p_0 = 0.740$	(G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d = tge
1	o	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	p'	+1	1121	30° 00	52 02'	32 39	47 59	23 13	43 04	0.6408	1.1100	1.2817

Steinsalz.**Regulär.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d = tge
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0° 00 \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$
2	f	$\begin{cases} 0\frac{1}{4} \\ 04 \\ \infty 4 \end{cases}$	$\begin{cases} 014 \\ 041 \\ 140 \end{cases}$	$\begin{cases} " \\ " \\ 14 02 \end{cases}$	$\begin{cases} 14 02 \\ 75 58 \\ 90 00 \end{cases}$	$\begin{cases} " \\ " \\ 90 00 \end{cases}$	$\begin{cases} 14 02 \\ 75 58 \\ 90 00 \end{cases}$	$\begin{cases} " \\ " \\ 14 02 \end{cases}$	$\begin{cases} 14 02 \\ 75 58 \\ " \end{cases}$	$\begin{cases} " \\ " \\ 0.2500 \end{cases}$	$\begin{cases} 0.2500 \\ 4.0000 \\ \infty \end{cases}$	$\begin{cases} 0.2500 \\ 4.0000 \\ \infty \end{cases}$
3	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{cases} 012 \\ 021 \\ 120 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 26 34 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 90 00 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 26 34 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \\ " \end{cases}$	$\begin{cases} 0 \\ " \\ 0.5000 \end{cases}$	$\begin{cases} 0.5000 \\ 2.0000 \\ \infty \end{cases}$	$\begin{cases} 0.5000 \\ 2.0000 \\ \infty \end{cases}$
4	h	$\begin{cases} 0\frac{3}{4} \\ 053 \\ \infty \frac{3}{4} \end{cases}$	$\begin{cases} 035 \\ 053 \\ 350 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 30 58 \end{cases}$	$\begin{cases} 30 58 \\ 59 02 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 90 00 \end{cases}$	$\begin{cases} 30 58 \\ 59 02 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 30 58 \end{cases}$	$\begin{cases} 30 58 \\ 59 02 \\ " \end{cases}$	$\begin{cases} 0 \\ " \\ 0.6000 \end{cases}$	$\begin{cases} 0.6000 \\ 1.6667 \\ \infty \end{cases}$	$\begin{cases} 0.6000 \\ 1.6667 \\ \infty \end{cases}$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
5	i	$\left\{ \begin{array}{l} 0\frac{1}{2} \\ 0\frac{2}{3} \\ \infty\frac{4}{3} \end{array} \right.$	034	0° 00	36° 52	0° 00	36° 52	0° 00	36° 52	0	0'7500	0'7500
			043	"	53 08	"	53 08	"	53 08	"	1'3333	1'3333
			340	36 52	90 00	90 00	90 00	36 52	"	0'7500	∞	∞
6	d	$\left\{ \begin{array}{l} 0\frac{4}{3} \\ 0\frac{2}{3} \\ \infty\frac{2}{3} \end{array} \right.$	045	0 00	38 39	0 00	38 39	0 00	38 39	0	0'8000	0'8000
			054	"	51 20	"	21 20	"	51 20	"	1'2500	1'2500
			450	38 39	90 00	90 00	90 00	38 39	"	0'8000	∞	∞
7	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	011	0 00	45 00	0 00	45 00	0 00	45 00	0	1'0000	1'0000
			110	45 00	90 00	90 00	90 00	45 00	"	1'0000	∞	∞
8	p	1	111	"	54 44	45 00	45 00	35 16	35 16	"	1'0000	1'4142
9	w	$\left\{ \begin{array}{l} \frac{2}{3}1 \\ \frac{1}{2} \end{array} \right.$	233	33 41	50 14	33 41	"	25 14	39 45	0'6667	"	1'2019
			332	45 00	64 45	56 18	56 18	39 45	"	1'5000	1'5000	2'1213
10	u	$\left\{ \begin{array}{l} \frac{1}{2}1 \\ \frac{1}{2}2 \end{array} \right.$	122	26 34	48 11	26 34	45 00	19 28	41 48	0'5000	1'0000	1'1180
			221	45 00	70 32	63 26	63 26	41 48	"	2'0000	2'0000	2'8284
11	x	$\left\{ \begin{array}{l} \frac{1}{3}\frac{2}{3} \\ \frac{1}{2}\frac{2}{3} \\ 23 \end{array} \right.$	123	26 34	36 42	18 26	33 41	15 30	32 18	0'3333	0'6667	0'7453
			132	18 26	57 41	26 34	56 18	"	53 18	0'5000	1'5000	1'5811
			231	33 41	74 30	63 26	71 34	32 18	"	2'0000	3'0000	3'6055

Stercorit.

Monoklin.

a = 2'8828	lg a = 0'45981	lg a ₀ = 0'18992	lg p ₀ = 98'1008	a ₀ = 1'5486	p ₀ = 0'6458
c = 1'8616	lg c = 0'26989	lg b ₀ = 97'3011	lg q ₀ = 0'26414	b ₀ = 0'5372	q ₀ = 1'8371
$\mu = \left. \begin{array}{l} 180 \\ \beta \end{array} \right\} 80^\circ 42$	$\left. \begin{array}{l} \lg h \\ \lg \sin \mu \end{array} \right\} 999425$	$\left. \begin{array}{l} \lg e \\ \lg \cos \mu \end{array} \right\} 920845$	$\lg \frac{p_0}{q_0} = 954594$	h = 0'9868	e = 0'1616

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00	9° 18	9° 18	0° 00	9° 18	0° 00	0'1637	0	0'1637
2	a	$\infty 0$	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	h	3 ∞	310	46 31	"	"	90 00	46 31	43 29	1'0545	∞	"
4	m	∞	110	19 22	"	"	"	19 22	70 38	0'3515	"	"
5	k	+20	201	90 00	55 49	55 49	0 00	55 49	0 00	1'4726	0	1'4726
6	r	+10	101	"	39 17	39 17	"	39 17	"	0'8181	"	0'8181
7	f	-10	101	90 00	26 08	26 08	"	26 08	"	0'4906	"	0'4906
8	x	-20	201	"	48 52	48 52	"	48 52	"	1'1450	"	1'1450
9	n	+ $\frac{1}{2}$	112	27 48	46 28	26 09	42 57	19 46	39 53	0'4909	0'9308	1'0524
10	t	- $\frac{1}{2}$	112	9 57	43 23	9 17	"	6 49	42 34	0'1634	"	0'9450

Sternbergit.

Rhombisch.

$a = 0.5832$	$lga = 976582$	$lga_0 = 984201$	$lg p_0 = 015799$	$a_0 = 0.6950$	$p_0 = 1.4388$
$c = 0.8391$	$lg c = 992381$	$lg b_0 = 007619$	$lg q_0 = 992381$	$b_0 = 1.1917$	$q_0 = 0.8391$

N ^o	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	59 45	"	90 00	"	59 45	30 15	1.7147	"	"
4	e	02	021	0 00	59 12	0 00	59 12	0 00	59 12	0	1.6781	1.6781
5	u	0.10	0.10.1	"	83 12	"	83 12	"	83 12	"	8.3910	8.3910
6	w	$\frac{1}{2}0$	106	90 00	13 29	13 29	0 00	13 29	0 00	0.2398	0	0.2398
7	s	1	111	59 45	59 01	55 12	40 00	47 47	25 35	1.4388	0.8391	1.6656
8	v	2	221	"	73 17	70 50	59 12	55 49	28 51	2.8775	1.6782	3.3311
9	d	12	121	40 36	65 40	55 12	"	36 22	43 46	1.4388	"	2.2105

Stolzit.

Tetragonal. Pyramidal-hemiedrisch.

$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 1.5606$	$lg c = 019329$	$lga_0 = 980671$	$a_0 = 0.6408$
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N ^o	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	45 00	"	90 00	"	45 00	45 00	1.0000	"	"
4	?Ω	$0\frac{1}{10}$	0.1.10	0 00	8 52	0 00	8 52	0 00	8 52	0	0.1561	0.1561
5	ω	$0\frac{1}{5}$	019	"	9 50	"	9 50	"	9 50	"	0.1734	0.1734
6	r	$0\frac{1}{3}$	013	"	27 29	"	27 29	"	27 29	"	0.5202	0.5202
7	o	$0\frac{1}{2}$	012	"	37 58	"	37 58	"	37 58	"	0.7803	0.7803
8	η	$0\frac{2}{3}$	023	"	46 08	"	46 08	"	46 08	"	1.0404	1.0404
9	h	$0\frac{3}{4}$	034	"	49 29	"	49 29	"	49 29	"	1.1704	1.1704
10	e	01	011	"	57 21	"	57 21	"	57 21	"	1.5606	1.5606
11	ε	02	021	"	72 14	"	72 14	"	72 14	"	3.1212	3.1212
12	v	$\frac{1}{2}$	112	45 00	47 49	37 58	37 58	31 36	31 36	0.7803	0.7803	1.1035
13	p	1	111	"	65 37	57 21	57 21	40 06	40 06	1.5606	1.5606	2.2070
14	μ	2	221	"	77 14	72 14	72 14	43 36	43 36	3.1212	3.1212	4.4140
15	π	$\frac{1}{3}1$	133	18 26	58 42	57 21	57 21	15 40	54 09	0.5202	1.5606	1.6450
16	A	15	151	11 18	82 50	57 21	82 42	11 13	76 38	1.5606	7.8030	7.9574
17	s	13	131	18 26	78 32	"	77 56	18 03	68 24	"	4.6818	4.9350
18	?B	$\frac{3}{2}2$	342	36 52	75 37	66 52	72 14	35 32	50 48	2.3409	3.1212	3.9015

Strengit.

Rhombisch.

$a = 0.8652$	$\lg a = 993712$	$\lg a_0 = 994470$	$\lg p_0 = 005530$	$a_0 = 0.8805$	$p_0 = 1.1358$
$c = 0.9827$	$\lg c = 999242$	$\lg b_0 = 000758$	$\lg q_0 = 999242$	$b_0 = 1.0176$	$q_0 = 0.9827$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	b	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	∞0	100	90° 00	90 00	90 00	"	90 00	"	∞	"	∞
3	k	$\frac{4}{3}\infty$	430	57 01	"	"	90 00	57 01	32 59	1.5411	∞	"
4	d	∞2	120	30 01	"	"	"	30 01	59 58	0.5779	"	"
5	e	$0\frac{1}{2}$	012	0 00	26 10	0 00	26 10	0 00	26 10	0	0.4913	0.4913
6	f	$\frac{3}{2}0$	302	90 00	59 35	59 35	0 00	59 35	0 00	1.7037	0	1.7037
7	g	$\frac{5}{3}0$	805	"	61 10	61 10	"	61 10	"	1.8173	"	1.8173
8	p	1	111	49 08	56 20	48 38	44 30	39 01	33 00	1.1358	0.9827	1.5019

Stromeyerit.

Rhombisch.

$a = 0.5822$	$\lg a = 976507$	$\lg a_0 = 977973$	$\lg p_0 = 022027$	$a_0 = 0.6022$	$p_0 = 1.6606$
$c = 0.9668$	$\lg c = 998534$	$\lg b_0 = 001466$	$\lg q_0 = 998534$	$b_0 = 1.0343$	$q_0 = 0.9668$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	59 47	"	90 00	"	59 47	30 12	1.7175	"	"
4	u	$0\frac{1}{2}$	012	0 00	25 48	0 00	25 48	0 00	25 48	0	0.4834	0.4834
5	e	02	021	"	62 39	"	62 39	"	62 39	"	1.9336	1.9336
6	w	$\frac{1}{4}$	114	59 47	25 39	22 33	13 35	21 58	12 35	0.4151	0.2417	0.4804
7	v	$\frac{3}{2}$	112	"	43 51	39 42	25 48	36 47	20 24	0.8303	0.4834	0.9608
8	p	1	111	"	62 30	58 56	44 02	50 03	26 30	1.6606	0.9668	1.9215

Strontianit.

Rhombisch.

a = 0.6090	lga = 978462	lga _o = 992494	lg p _o = 007506	a _o = 0.8413	p _o = 1.1887
c = 0.7239	lg c = 985968	lg b _o = 014032	lg q _o = 985968	b _o = 1.3814	q _o = 0.7239

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	b	o ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	58 39'	"	90 00	"	58 39'	31 20'	1.6420	"	"
4	e	0 $\frac{1}{2}$	012	0 00	19 54	0 00	19 54	0 00	19 54	o	0.3619	0.3619
5	δ	0 $\frac{2}{3}$	023	"	25 45'	"	25 45'	"	25 45'	"	0.4826	0.4826
6	k	01	011	"	35 54	"	35 54	"	35 54	"	0.7239	0.7239
7	l	0 $\frac{3}{2}$	032	"	47 21'	"	47 21'	"	47 21'	"	1.0858	1.0858
8	i	02	021	"	55 22	"	55 22	"	55 22	"	1.4478	1.4478
9	v	03	031	"	65 16'	"	65 16'	"	65 16'	"	2.1717	2.1717
10	z	04	041	"	70 57	"	70 57	"	70 57	"	2.8956	2.8956
11	q	06	061	"	77 02	"	77 02	"	77 02	"	4.3434	4.3434
12	ζ	08	081	"	80 12	"	80 12	"	80 12	"	5.7912	5.7912
13	χ	0.12	0.12.1	"	83 26	"	83 26	"	83 26	"	8.6868	8.6868
14	t	$\frac{1}{2}$ 0	102	90 00	30 43'	30 43'	0 00	30 43'	0 00	0.5943	o	0.5943
15	n	$\frac{1}{3}$	115	58 39'	15 33	13 22'	8 14	13 14'	8 01	0.2377	0.1448	0.2784
16	e	$\frac{1}{3}$	113	"	24 53	21 37	13 34	21 04	12 38'	0.3962	0.2413	0.4639
17	o	$\frac{1}{2}$	112	"	34 50	30 43'	19 54	29 12	17 17	0.5943	0.3619	0.6959
18	ϱ	$\frac{4}{3}$	445	"	48 04'	43 33'	30 04'	39 27	22 46	0.9509	0.5791	1.1134
19	p	1	111	"	54 18	49 55'	35 54	43 55	24 59	1.1886	0.7239	1.3917
20	ϕ	$\frac{3}{2}$	332	"	64 24'	60 43	47 21'	50 22'	27 58'	1.7830	1.0858	2.0876
21	h	2	221	"	70 14'	67 11	55 22	53 29'	29 18'	2.3773	1.4478	2.7835
22	φ	3	331	"	76 32	74 20	65 16'	56 09'	30 23	3.5660	2.1717	4.1752
23	λ	4	441	"	79 49	78 07'	70 57	57 12'	30 47'	4.7546	2.8956	5.5670
24	d	6	661	"	83 10	82 01	77 02	58 00	31 05'	7.1320	4.3434	8.3504
25	ξ	8	881	"	84 52	83 59	80 12	58 17	31 12	9.5094	5.7912	11.134

Struvit.

Rhombisch. Hemimorph.

$a = 0.5481$	$\lg a = 973886$	$\lg a_0 = 994556$	$\lg p_0 = 005444$	$a_0 = 0.8822$	$p_0 = 1.1336$
$c = 0.6213$	$\lg c = 979330$	$\lg b_0 = 020670$	$\lg q_0 = 979330$	$b_0 = 1.6095$	$q_0 = 0.6213$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	k	20	210	74° 40'	"	"	90° 00	74° 40'	15° 19'	3.6490	∞	"
5	m	∞	110	61° 16'	"	"	"	61° 16'	28° 43'	1.8245	"	"
6	n	∞2	120	42° 22'	"	"	"	42° 22'	47° 37'	0.9122	"	"
7	i	∞5	150	20° 03'	"	"	"	20° 03'	69° 57'	0.3566	"	"
8	s	01	011	0° 00	31° 51'	0° 00	31° 51'	0° 00	31° 51'	0	0.6213	0.6213
9	x	02	075	"	41° 01'	"	41° 01'	"	41° 01'	"	0.8698	0.8698
10	p	10	101	90° 00	48° 35'	48° 35'	0° 00	48° 35'	0° 00	1.1335	0	1.1335
11	t	1	111	61° 16'	52° 16'	"	31° 51'	43° 55'	22° 20'	"	0.6213	1.2926

Stylotyp.

Rhombisch.

$$\lg \frac{p_0}{q_0} = 002655; \quad \frac{p_0}{q_0} = 1.0630; \quad \frac{a}{b} = 0.941$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	m	∞	110	46° 45'	90° 00	90° 00	90° 00	46° 45'	43° 15'	1.0630	∞	∞

Sulfohalit.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 00 \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0° 00 \end{cases}$	$\begin{cases} 0° 00 \\ 90° 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90° 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90° 00 \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$
2	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} " \\ 45° 00 \end{cases}$	$\begin{cases} 45° 00 \\ 90° 00 \end{cases}$	$\begin{cases} " \\ 90° 00 \end{cases}$	$\begin{cases} 45° 00 \\ 90° 00 \end{cases}$	$\begin{cases} " \\ 45° 00 \end{cases}$	$\begin{cases} 45° 00 \\ " \end{cases}$	$\begin{cases} " \\ 1.0000 \end{cases}$	$\begin{cases} 1.0000 \\ \infty \end{cases}$	$\begin{cases} 1.0000 \\ \infty \end{cases}$
3	p	1	111	"	54° 44'	45° 00	45° 00	35° 16'	35° 16'	"	1.0000	1.4142

Sundtit.**Rhomboch.**

$a = 0.6771$	$\lg a = 983065$	$\lg a_0 = 018151$	$\lg p_0 = 981849$	$a_0 = 1.5188$	$p_0 = 0.6584$
$c = 0.4458$	$\lg c = 964914$	$\lg b_0 = 035086$	$\lg q_0 = 964914$	$b_0 = 2.2432$	$q_0 = 0.4458$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	00	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	n	20	210	71° 18	"	"	90° 00	71° 18	18° 42	2.9538	∞	"
5	m	∞	110	55° 54	"	"	"	55° 54	34° 06	1.4769	"	"
6	l	∞ $\frac{3}{2}$	230	44° 33	"	"	"	44° 33	45° 27	0.9846	"	"
7	g	∞ $\frac{5}{2}$	250	30° 34'	"	"	"	30° 34'	59° 25'	0.5907	"	"
8	x	01	011	0° 00	24° 01'	0° 00	24° 01'	0° 00	24° 01'	0	0.4458	0.4458
9	y	02	021	"	41° 43	"	41° 43	"	41° 43	"	0.8916	0.8916
10	y	03	031	"	53° 13	"	53° 13	"	53° 13	"	1.3374	1.3374
11	h	$\frac{1}{2}0$	102	90° 00	18° 13'	18° 13'	0° 00	18° 13'	0° 00	0.3292	0	0.3292
12	f	10	101	"	33° 21'	33° 21'	"	33° 21'	"	0.6584	"	0.6584
13	e	$\frac{3}{2}0$	302	"	44° 38'	44° 38'	"	44° 38'	"	0.9876	"	0.9876
14	d	60	601	"	75° 47'	75° 47'	"	75° 47'	"	3.9504	"	3.9504
15	v	$\frac{1}{2}$	112	55° 54	21° 41'	18° 13'	12° 34	17° 49	11° 57	0.3292	0.2229	0.3976
16	p	1	111	"	38° 29'	33° 21'	24° 01'	31° 01	20° 25'	0.6584	0.4458	0.7951
17	z	$\frac{3}{2}$	332	"	50° 01'	44° 38'	33° 46	39° 23	25° 26'	0.9876	0.6687	1.1927
18	q	2	221	"	57° 50	52° 47	41° 43	44° 30'	28° 20	1.3168	0.8916	1.5903
19	r	12	121	36° 26'	47° 56'	33° 21'	"	26° 10	36° 40'	0.6584	"	1.1084
20	s	21	211	71° 18	54° 16'	52° 47	24° 01'	50° 15'	15° 05'	1.3168	0.4458	1.3902
21	ω	$\frac{1}{2} \frac{3}{2}$	132	26° 12'	36° 42	18° 13'	33° 46	15° 18	32° 25'	0.3292	0.6687	0.7453

Svabit.**Hexagonal.**

$c = 1.2372$	$\lg c = 009244$	$\lg a_0 = 014612$	$\lg p_0 = 991635$	$a_0 = 1.4000$	$p_0 = 0.8248$	(G ₁)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	1010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	x	10	1011	"	39° 31	"	39° 31	"	39° 31	"	0.8248	0.8248
4	s	1	1121	30° 00	55° 00'	35° 32'	51° 03	24° 11	45° 11'	0.7143	1.2372	1.4286

Svanbergit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 1.2365 \quad \lg c = 0.09218 \quad \lg a_0 = 0.14638 \quad \lg p_0 = 9.91609 \quad a_0 = 1.4008 \quad p_0 = 0.8243 \quad (G_2)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	p'	+1	1121	30° 00	54 59	35 31	51 02	24 10	45 11	0.7139	1.2365	1.4277
3	p'	-2	2241	"	70 42	54 59	67 59	28 09	54 49	1.4277	2.4730	2.8555
4	m'	+4	4481	"	80 04	70 42	78 34	29 30	58 32	2.8555	4.9459	5.7110
5	n'	+5	55.10.1	"	82 01	74 21	80 48	29 41	59 03	3.5693	6.1823	7.1386

Sylvanit.

Monoklin.

$$a = 1.6339 \quad \lg a = 0.21322 \quad \lg a_0 = 0.16149 \quad \lg p_0 = 9.83851 \quad a_0 = 1.4504 \quad p_0 = 0.6895$$

$$c = 1.1265 \quad \lg c = 0.05173 \quad \lg b_0 = 9.94827 \quad \lg q_0 = 0.05172 \quad b_0 = 0.8877 \quad q_0 = 1.1265$$

$$\mu = 180 - \beta \quad 89^\circ 35' \quad \lg h = 9.99999 \quad \lg e = 7.86166 \quad \lg p_0 = 9.78679 \quad h = 1 \quad e = 0.0073$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
1	c	0	001	90° 00	0° 25	0° 25	0° 00	0° 25	0° 00	0.0072	0	0.0072
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	S	5∞	510	71 54	"	"	90 00	71 54	18 06	3.0602	∞	"
5	h	4∞	410	67 47	"	"	"	67 47	22 13	2.4482	"	"
6	g	3∞	310	61 25	"	"	"	61 25	28 34	1.8361	"	"
7	f	2∞	210	50 45	"	"	"	50 45	39 15	1.2241	"	"
8	e	∞	110	31 28	"	"	"	31 28	58 32	0.6120	"	"
9	R	∞2	120	17 01	"	"	"	17 01	72 59	0.3060	"	"
10	x	0 $\frac{1}{2}$	012	0 44	29 23	0 25	29 23	0 22	29 23	0.0072	0.5632	0.5633
11	z	0 $\frac{2}{3}$	023	0 33	36 54	"	36 54	0 20	36 54	"	0.7510	0.7510
12	d	01	011	0 22	48 24	"	48 24	0 16	48 24	"	1.1265	1.1265
13	K	02	021	0 11	66 04	"	66 04	0 10	66 04	"	2.2530	2.2530
14	n	+20	201	90 00	54 12	54 12	0 00	54 12	0 00	1.3863	0	1.3863
15	m	+10	101	"	34 52	34 52	"	34 52	"	0.6968	"	0.6968
16	M	-10	101	90 00	34 18	34 18	"	34 18	"	0.6822	"	0.6822
17	N	-20	201	"	53 56	53 56	"	53 56	"	1.3727	"	1.3727
18	D	+2	221	31 36	69 17	54 12	66 04	29 21	52 49	1.3863	2.2530	2.6454
19	r	+1	111	31 44	52 57	34 52	48 24	24 49	42 45	0.6968	1.1265	1.3240
20	p	+ $\frac{1}{2}$	112	32 00	33 35	19 24	29 23	17 03	27 59	0.3520	0.5632	0.6642

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = tge
21	k	$-\frac{1}{2}$	112	30° 55'	33° 17'	18° 39'	29° 23'	16° 23'	28° 05'	0° 3374'	0° 5632'	0° 6566'
22	ξ	$-\frac{2}{3}$	223	31 04	41 14	24 20	36 54	19 53	34 23	0° 4524	0° 7510	0° 8767
23	ϱ	-1	111	31 12	52 47	34 18	48 24	24 22	42 56	0° 6822	1° 1265	1° 3170
24	Δ	-2	221	31 20	69 14	53 54	66 04	29 06	53 00	1° 3717	2° 2530	2° 6378
25	α	$+\frac{1}{2}$	414	67 59	36 56	34 52	15 44	33 51	13 00	0° 6968	0° 2816	0° 7516
26	β	$+\frac{1}{3}$	313	61 41	38 22	"	20 35	33 07	17 07	"	0° 3755	0° 7916
27	γ	$+\frac{1}{2}$	212	51 07	41 50	"	29 20	31 16	24 45	"	0° 5619	0° 8952
28	t	$+\frac{1}{3}$	323	42 51	45 41	"	36 54	29 07	31 38	"	0° 7510	1° 0245
29	s	+12	121	17 11	67 01	"	66 04	15 47	61 35	"	2° 2530	2° 3587
30	τ	$-\frac{1}{3}$	323	42 15	45 25	34 18	36 54	28 37	31 49	0° 6822	0° 7510	1° 0146
31	σ	-12	121	16 51	66 59	"	66 04	15 28	61 45	"	2° 2530	2° 3540
32	δ	+31	311	61 31	67 03	64 17	48 24	54 02	26 03	2° 0758	1° 1265	2° 3618
33	l	+21	211	50 54	60 45	54 12	48 24	42 37	33 23	1° 3863	"	1° 7863
34	P	$+\frac{1}{2}$	122	17 21	49 43	19 24	"	13 09	46 44	0° 3520	"	1° 1802
35	φ	$-\frac{1}{2}$	522	56 43	64 02	59 46	"	48 44	29 33	1° 7165	"	2° 0531
36	θ	-23	231	22 05	74 40	53 54	73 31	21 16	63 20	1° 3717	3° 3795	3° 6473
37	i	+32	321	42 39	71 55	64 17	66 04	40 06	44 21	2° 0758	2° 2530	3° 0635
38	F	$+\frac{1}{2}$	542	37 32	70 36	59 59	"	35 05	48 25	1° 7311	"	2° 8413
39	Φ	$-\frac{5}{2}$	542	37 18	70 33	59 46	"	34 51	48 36	1° 7165	"	2° 8324
40	J	-32	321	42 27	71 52	64 07	"	39 54	44 31	2° 0621	"	3° 0536
41	i	-42	421	50 41	74 17	70 01	"	48 08	37 35	2° 7506	"	3° 5557
42	κ	-52	521	56 47	76 20	73 47	"	54 23	32 10	3° 4402	"	4° 1124
43	χ	-62	621	61 23	78 00	76 23	"	59 10	27 56	4° 1298	"	4° 7043
44	Γ	-72	721	64 57	79 21	78 16	"	62 55	24 36	4° 8193	"	5° 3200
45	π	-34	341	24 35	78 35	64 07	77 29	24 04	63 03	2° 0621	4° 5060	4° 9551
46	y	$+\frac{1}{3}$	123	17 31	38 13	13 20	36 54	10 44	36 09	0° 2371	0° 7510	0° 7893
47	Y	$-\frac{1}{3}$	123	16 30	38 04	12 32	"	10 05	36 15	0° 2225	"	0° 7838
48	μ	$+\frac{2}{3}$	213	51 12	30 56	25 02	20 35	23 37	18 47	0° 4670	0° 3755	0° 5993
49	ν	$-\frac{2}{3}$	213	50 18	30 27	24 20	"	22 57	18 35	0° 4524	"	0° 5879
50	ψ	$+\frac{2}{4}$	314	61 46	30 46	27 40	15 44	26 47	14 00	0° 5244	0° 2816	0° 5953

Sylvin.

Regulär.

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} - \\ 0^\circ 00 \end{cases}$	$\begin{cases} 0^\circ 00 \\ 90^\circ 00 \end{cases}$	$\begin{cases} 0^\circ 00 \\ " \end{cases}$	$\begin{cases} 0^\circ 00 \\ 90^\circ 00 \end{cases}$	$\begin{cases} 0^\circ 00 \\ " \end{cases}$	$\begin{cases} 0^\circ 00 \\ 90^\circ 00 \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$
2	δ	$\begin{cases} 0\frac{1}{2} \\ 0\frac{1}{2} \\ \infty\frac{1}{2} \end{cases}$	$\begin{cases} 045 \\ 054 \\ 450 \end{cases}$	$\begin{cases} " \\ " \\ 38^\circ 39' \end{cases}$	$\begin{cases} 38^\circ 39' \\ 51^\circ 20' \\ 90^\circ 00 \end{cases}$	$\begin{cases} " \\ " \\ 90^\circ 00 \end{cases}$	$\begin{cases} 38^\circ 39' \\ 51^\circ 20' \\ 90^\circ 00 \end{cases}$	$\begin{cases} " \\ " \\ 38^\circ 39' \end{cases}$	$\begin{cases} 38^\circ 39' \\ 51^\circ 20' \\ " \end{cases}$	$\begin{cases} " \\ " \\ 0^\circ 8000 \end{cases}$	$\begin{cases} 0^\circ 8000 \\ 1^\circ 2500 \\ \infty \end{cases}$	$\begin{cases} 0^\circ 8000 \\ 1^\circ 2500 \\ \infty \end{cases}$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
3	s	$\left\{ \begin{array}{l} \frac{1}{4} \\ 17 \end{array} \right.$	$\begin{array}{l} 117 \\ 171 \end{array}$	$\begin{array}{l} 45^\circ 00' \\ 8 \ 08 \end{array}$	$\begin{array}{l} 11^\circ 25' \\ 81 \ 57 \end{array}$	$\begin{array}{l} 8^\circ 08' \\ 45 \ 00 \end{array}$	$\begin{array}{l} 8^\circ 08' \\ 81 \ 52 \end{array}$	$\begin{array}{l} 8^\circ 03' \\ " \end{array}$	$\begin{array}{l} 8^\circ 03' \\ 78 \ 35 \end{array}$	$\begin{array}{l} 0'1429 \\ 1'0000 \end{array}$	$\begin{array}{l} 0'1429 \\ 7'0000 \end{array}$	$\begin{array}{l} 0'2020 \\ 7'0710 \end{array}$
4	A	$\left\{ \begin{array}{l} \frac{2}{7} \\ 1\frac{1}{2} \end{array} \right.$	$\begin{array}{l} 227 \\ 272 \end{array}$	$\begin{array}{l} 45 \ 00 \\ 15 \ 57 \end{array}$	$\begin{array}{l} 22 \ 00 \\ 74 \ 38 \end{array}$	$\begin{array}{l} 15 \ 57 \\ 45 \ 00 \end{array}$	$\begin{array}{l} 15 \ 57 \\ 74 \ 03 \end{array}$	$\begin{array}{l} 15 \ 21' \\ " \end{array}$	$\begin{array}{l} 15 \ 21' \\ 68 \ 00 \end{array}$	$\begin{array}{l} 0'2857 \\ 1'0000 \end{array}$	$\begin{array}{l} 0'2857 \\ 3'5000 \end{array}$	$\begin{array}{l} 0'4041 \\ 3'6401 \end{array}$
5	q	$\left\{ \begin{array}{l} \frac{1}{2} \\ 12 \end{array} \right.$	$\begin{array}{l} 112 \\ 121 \end{array}$	$\begin{array}{l} 45 \ 00 \\ 26 \ 34 \end{array}$	$\begin{array}{l} 35 \ 16 \\ 65 \ 54 \end{array}$	$\begin{array}{l} 26 \ 34 \\ 45 \ 00 \end{array}$	$\begin{array}{l} 26 \ 34 \\ 63 \ 26 \end{array}$	$\begin{array}{l} 24 \ 05' \\ " \end{array}$	$\begin{array}{l} 24 \ 05' \\ 54 \ 44 \end{array}$	$\begin{array}{l} 0'5000 \\ 1'0000 \end{array}$	$\begin{array}{l} 0'5000 \\ 2'0000 \end{array}$	$\begin{array}{l} 0'7071 \\ 2'2360 \end{array}$
6	n	$\left\{ \begin{array}{l} \frac{2}{3} \\ 1\frac{1}{2} \end{array} \right.$	$\begin{array}{l} 223 \\ 232 \end{array}$	$\begin{array}{l} 45 \ 00 \\ 33 \ 41' \end{array}$	$\begin{array}{l} 43 \ 19' \\ 60 \ 59 \end{array}$	$\begin{array}{l} 33 \ 41' \\ 45 \ 00 \end{array}$	$\begin{array}{l} 33 \ 41' \\ 56 \ 18' \end{array}$	$\begin{array}{l} 29 \ 01' \\ " \end{array}$	$\begin{array}{l} 29 \ 01' \\ 46 \ 41' \end{array}$	$\begin{array}{l} 0'6667 \\ 1'0000 \end{array}$	$\begin{array}{l} 0'6667 \\ 1'5000 \end{array}$	$\begin{array}{l} 0'9428 \\ 1'8028 \end{array}$
7	p	I	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
8	ψ	$\left\{ \begin{array}{l} \frac{1}{2} \frac{1}{2} \\ \frac{1}{2} 2 \\ 24 \end{array} \right.$	$\begin{array}{l} 124 \\ 142 \\ 241 \end{array}$	$\begin{array}{l} 26 \ 34 \\ 14 \ 02 \\ 26 \ 34 \end{array}$	$\begin{array}{l} 29 \ 12' \\ 64 \ 07' \\ 77 \ 23' \end{array}$	$\begin{array}{l} 14 \ 02' \\ 26 \ 34' \\ 63 \ 26' \end{array}$	$\begin{array}{l} 26 \ 34' \\ 63 \ 26' \\ 75 \ 58' \end{array}$	$\begin{array}{l} 12 \ 36' \\ " \\ 25 \ 52' \end{array}$	$\begin{array}{l} 25 \ 52' \\ 60 \ 47' \\ " \end{array}$	$\begin{array}{l} 0'2500 \\ 0'5000 \\ 2'0000 \end{array}$	$\begin{array}{l} 0'5000 \\ 2'0000 \\ 4'0000 \end{array}$	$\begin{array}{l} 0'5500 \\ 2'0615 \\ 4'4721 \end{array}$
9	B	$\left\{ \begin{array}{l} \frac{1}{2} \frac{5}{8} \\ \frac{4}{3} \frac{5}{8} \\ \frac{5}{2} 2 \end{array} \right.$	$\begin{array}{l} 458 \\ 485 \\ 584 \end{array}$	$\begin{array}{l} 38 \ 39' \\ 26 \ 34' \\ 32 \ 00' \end{array}$	$\begin{array}{l} 38 \ 40' \\ 60 \ 47' \\ 67 \ 01' \end{array}$	$\begin{array}{l} 26 \ 34' \\ 38 \ 39' \\ 51 \ 20' \end{array}$	$\begin{array}{l} 32 \ 00' \\ 57 \ 59' \\ 63 \ 26' \end{array}$	$\begin{array}{l} 22 \ 58' \\ " \\ 29 \ 12' \end{array}$	$\begin{array}{l} 29 \ 12' \\ 51 \ 19' \\ " \end{array}$	$\begin{array}{l} 0'5000 \\ 0'8000 \\ 1'2500 \end{array}$	$\begin{array}{l} 0'6250 \\ 1'6000 \\ 2'0000 \end{array}$	$\begin{array}{l} 0'8004 \\ 1'7888 \\ 2'3585 \end{array}$

Sympleisit.

Monoklin.

a = 0'7806	lg a = 989243	lg a ₀ = 005916	lg p ₀ = 994084	a ₀ = 1'1459	p ₀ = 0'8727
c = 0'6812	lg c = 983327	lg b ₀ = 016673	lg q ₀ = 981320	b ₀ = 1'4680	q ₀ = 0'6504
$\mu = \frac{1}{180-\beta} \left\{ \begin{array}{l} 72^\circ 43' \\ \lg \sin \mu \end{array} \right.$	$\lg h = \left\{ \begin{array}{l} 997993 \\ \lg \sin \mu \end{array} \right.$	$\lg e = \left\{ \begin{array}{l} 947290 \\ \lg \cos \mu \end{array} \right.$	$\lg p_0 = 012764$	h = 0'9548	e = 0'2971

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' = tg ϱ
1	c	0	001	90°00	17°17	17°17	0°00	17°17	0°00	0'3111'	0	0'3111'
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	m	∞	110	53 18	"	"	90 00	53 18	36 42	1'3416'	∞	"
5	r	0 $\frac{1}{2}$	013	53 53	21 04	17 17	12 47'	16 53	12 14	0'3111'	0'2270'	0'3852

Synadelphit.

Rhombisch.

$a = 0.9192$	$\lg a = 996341$	$\lg a_o = 972884$	$\lg p_o = 027116$	$a_o = 0.5356$	$p_o = 1.8671$
$c = 1.7162$	$\lg c = 023457$	$\lg b_o = 976543$	$\lg q_o = 023457$	$b_o = 0.5827$	$q_o = 1.7162$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d = $\lg e$
1	a	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	u	0 $\frac{1}{2}$	034	0° 00	52 09	"	52 09	"	52 09	"	1.2871	1.2871
3	o	01	011	"	59 46	"	59 46	"	59 46	"	1.7162	1.7162
4	e	10	101	90 00	61 49	61 49	0 00	61 49	0 00	1.8671	0	1.8671
5	d	$\frac{1}{2}$	112	47 20	51 46	43 02	40 43	35 17	32 10	0.9335	0.8605	1.2696
6	h	$\frac{3}{7}$	347	39 08	51 44	38 40	44 31	29 42	37 31	0.8001	0.9834	1.2678

Syngenit.

Monoklin.

$a = 1.3699$	$\lg a = 013669$	$\lg a_o = 019528$	$\lg p_o = 980472$	$a_o = 1.5677$	$p_o = 0.6378$
$c = 0.8738$	$\lg c = 994141$	$\lg b_o = 005859$	$\lg q_o = 992831$	$b_o = 1.1444$	$q_o = 0.8478$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 76^\circ 00$	$\lg h = \left. \begin{matrix} 998690 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 938368 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg p_o = 987641$	$h = 0.9703$	$e = 0.2419$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X' (Prismen) (x : y)	y'	d' = $\lg e$
1	c	0	001	90° 00	14° 00	14° 00	0° 00	14° 00	0° 00	0.2493	0	0.2493
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	?η	8∞	810	80 34	"	"	90 00	80 34	9 26	6.0187	∞	"
5	?θ	6∞	610	77 30	"	"	"	77 30	12 29	4.5140	"	"
6	?l	4∞	410	71 37	"	"	"	71 37	18 23	3.0093	"	"
7	d	3∞	310	66 06	"	"	"	66 06	23 54	2.2570	"	"
8	e	2∞	210	56 23	"	"	"	56 23	33 36	1.5046	"	"
9	?ε	$\frac{2}{3}$ ∞	650	42 04	"	"	"	42 04	47 55	0.9025	"	"
10	p	∞	110	36 57	"	"	"	36 57	53 02	0.7523	"	"
11	s	∞2	120	20 37	"	"	"	20 37	69 23	0.3761	"	"
12	q	01	011	15 55	42 15	14 00	41 09	10 38	40 17	0.2493	0.8738	0.9087
13	?ρ	$\frac{3}{2}$ 0	203	90 00	34 30	34 30	0 00	34 30	0 00	0.6875	0	0.6875
14	r	+10	101	"	42 12	42 12	"	42 12	"	0.9066	"	0.9066
15	k	-10	101	90 00	22 12	22 12	"	22 12	"	0.4080	"	0.4080

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
16	h	—20	201	90°00	46°49	46°49	0°00	46°49	0°00	1'0653	0	1'0653
17	?o	+1	111	46°03	51°32	42°12	41°09	34°19	32°55	0'9066	0'8738	1'2591
18	i	+41	411	73°07	71°37	70°50	"	65°14	16°00	2'8786	"	3'0083
19	m	—21	211	50°38	54°02	46°49	"	38°44	30°53	1'0653	"	1'3779
20	n	—1	111	35°02	43°57	22°12	"	17°05	38°58	0'4080	"	0'9644
21	x	—2	221	31°22	63°57	46°49	60°13	27°53	50°06	1'0653	1'7476	2'0467

Tachyhydrit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 1'900$	$\lg c = 027875$	$\lg a_0 = 995981$	$\lg p_0 = 010266$	$a_0 = 0'9116$	$p_0 = 1'2666$	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	p	+1	1121	30°00	63°33	47°43	62°18	27°04	52°02	1'0998	1'9050	2'1497

Tapiolit.

Tetragonal.

c	$\{ = 0'6464$	$\lg c = 981050$	$\lg a_0 = 018950$	$a_0 = 1'5470$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	0 ∞	010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	m	∞	110	45°00	"	90°00	"	45°00	45°00	1'0000	"	"
4	d	01	011	0°00	32°52	0°00	32°52	0°00	32°52	0	0'6464	0'6464
5	z	1	111	45°00	42°26	32°52	"	28°30	28°30	0'6464	"	0'9141

Tellur.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 1'330$	$\lg c = 012385$	$\lg a_0 = 011471$	$\lg p_0 = 994776$	$a_0 = 1'3023$	$p_0 = 0'8867$	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	o	0	0001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	b	∞	1120	30°00	90°00	90°00	90°00	30°00	60°00	0'5773	∞	∞
3	u	30	3031	0°00	79°49	0°00	79°49	0°00	79°49	0	5'5692	5'5692
4	r t	+1	1121	30°00	56°56	37°31	53°03	24°46	46°32	0'7679	1'3300	1'5357

Tellurit.**Rhombsch.**

$a=0.916$	$\lg a=996190$	$\lg a_0=999155$	$\lg p_0=000845$	$a_0=0.9807$	$p_0=1.0196$
$c=0.934$	$\lg c=997035$	$\lg b_0=002965$	$\lg q_0=997035$	$b_0=1.0707$	$q_0=0.9340$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	b	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	m	20	210	65 23	"	90 00	"	65 23	24 36	2.1834	"	"
3	r	∞	110	47 30	"	"	"	47 30	42 29	1.0914	"	"
4	s	22	120	28 37	"	"	"	28 37	61 22	0.5458	"	"
5	p	1 $\frac{1}{2}$	212	65 23	48 16	45 33	25 02	42 44	18 06	1.0196	0.4670	1.1215

Tellursilberblende.**Hexagonal. Holodrisch.**

$c=1.0851$	$\lg c=003547$	$\lg a_0=020309$	$\lg p_0=985938$	$a_0=1.5962$	$p_0=0.7234$	(G ₁)
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Nr.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	h	20	2130	19 06	"	"	"	19 06	70 53	0.3464	"	"
5	l	30	3140	13 54	"	"	"	13 54	76 06	0.2474	"	"
6	d	10	1012	0 00	19 53	0 00	19 53	0 00	19 53	0	0.3617	0.3617
7	f	10	1011	"	35 53	"	35 53	"	35 53	"	0.7234	0.7234
8	g	20	2021	"	55 21	"	55 21	"	55 21	"	1.4468	1.4468
9	s	30	3031	"	65 15	"	65 15	"	65 15	"	2.1702	2.1702
10	m	1 $\frac{1}{3}$	1123	30 00	22 40	11 47	19 53	11 06	19 30	0.2088	0.3617	0.4177
11	z	1 $\frac{1}{2}$	1122	"	32 04	17 23	28 29	15 23	27 22	0.3132	0.5425	0.6265
12	y	1	1121	"	51 24	32 04	47 20	23 00	42 36	0.6266	1.0851	1.2530
13	x	2	2241	"	68 14	51 24	65 15	27 40	53 33	1.2530	2.1702	2.5060
14	i	21	2131	19 06	62 25	32 04	61 03	16 52	56 52	0.6265	1.8085	1.9140
15	o	31	3141	13 54	69 01	"	68 27	12 57	65 00	"	2.5319	2.6083

Tenorit.

Monoklin.

$a = 1.4902$	$lga = 0.17325$	$lga_o = 0.03958$	$lgp_o = 0.96042$	$a_o = 1.0954$	$p_o = 0.9129$
$c = 1.3604$	$lgc = 0.13367$	$lgb_o = 0.86633$	$lgq_o = 0.12763$	$b_o = 0.7351$	$q_o = 1.3416$
$\mu = \left. \begin{matrix} 180 \\ -\beta \end{matrix} \right\} 80^\circ 28'$	$lgh = \left. \begin{matrix} 999396 \\ lg \sin \mu \end{matrix} \right\}$	$lge = \left. \begin{matrix} 921912 \\ lg \cos \mu \end{matrix} \right\}$	$lg \frac{p_o}{q_o} = 0.83279$	$h = 0.9862$	$e = 0.1656$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x' (Prismen) (x : y)	y'	d' = $tg \varrho$
1	A	o	001	90° 00'	9° 32'	9° 32'	0° 00'	9° 32'	0° 00'	0.1679	o	0.1679
2	B	∞o	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	k	01	011	7 02	53 53'	9 32'	53 41'	5 41'	53 18'	0.1679	1.3604	1.3707
4	s	-10	101	90 00	37 09	37 09	0 00	37 09	0 00	0.7577	o	0.7577
5	?x	+60	601	"	80 05	80 05	"	80 05	"	5.7220	"	5.7220
6	m	+1	111	38 48	60 11'	47 33'	53 41'	32 56'	42 33'	1.0936	1.3604	1.7455
7	n	-1	111	39 07	57 17'	37 09	"	34 10'	47 19'	0.7577	"	1.5572
8	?z	+61	611	76 37'	80 21'	80 05	"	73 33'	13 11'	5.7220	"	5.8815

Tetradymit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 3.173$	$lgc = 0.50147$	$lga_o = 0.73709$	$lgp_o = 0.32538$	$a_o = 0.5459$	$p_o = 2.1153$	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_o	η_o	ξ	η	x (Prismen) (x : y)	y	d = $tg \varrho$
1	o	o	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	o	o	o
2	z	$+\frac{1}{3}$	1124	30° 00'	42 29'	24 36'	52 25'	19 44'	35 48'	0.4580	0.7932	0.9160
3	r	+1	1121	"	74 44'	61 22'	72 30'	28 50'	56 40'	1.8319	3.1730	3.6638
4	s	-2	2241	"	82 14'	74 44'	81 02'	29 42'	59 06'	3.6638	6.3460	7.3277

Thenardit.

Rhombisch.

$a = 0.5977$	$\lg a = 977648$	$\lg a_0 = 967871$	$\lg p_0 = 032129$	$a_0 = 0.4772$	$p_0 = 2.0955$
$c = 1.2525$	$\lg c = 009777$	$\lg b_0 = 990223$	$\lg q_0 = 009777$	$b_0 = 0.7984$	$q_0 = 1.2525$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	κ (Prismen) (x : y)	y	d =tg ϱ
1	a	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	l	∞	110	59° 08	"	90° 00	"	59° 08	30° 52	1.6731	"	"
4	u	∞3	130	29° 09	"	"	"	29° 09	60° 51	0.5577	"	"
5	e	01	011	0° 00	51° 23'	0° 00	51° 23'	0° 00	51° 23'	0	1.2524	1.2524
6	?t	$\frac{1}{2}0$	106	90° 00	19° 15	19° 15	0° 00	19° 15	0° 00	0.3492	0	0.3492
7	m	$\frac{1}{2}0$	101	"	64° 29'	64° 29'	"	64° 29'	"	2.0955	"	2.0955
8	v	$\frac{1}{2}1$	113	59° 08	39° 08	34° 26	22° 39'	32° 48'	18° 53'	0.6985	0.4175	0.8138
9	r	1	111	"	67° 43'	64° 29'	51° 23'	52° 35'	28° 20'	2.0955	1.2525	2.4413
10	s	13	131	29° 09	76° 55	"	75° 06	28° 19'	58° 17'	"	3.7572	4.3021

Thermonatrit.

(Marignac.)

Rhombisch.

$a = 0.8268$	$\lg a = 991740$	$\lg a_0 = 000956$	$\lg p_0 = 999044$	$a_0 = 1.0223$	$p_0 = 0.9782$
$c = 0.8088$	$\lg c = 990784$	$\lg b_0 = 009216$	$\lg q_0 = 990784$	$b_0 = 1.2362$	$q_0 = 0.8088$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	κ (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	a	∞0	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
4	m	∞	110	50° 25	"	"	90° 00	50° 25	39° 35	1.2094	∞	"
5	n	∞2	120	31° 10	"	"	"	31° 10	58° 50	0.6047	"	"
6	e	02	021	0° 00	58° 16'	0° 00	58° 16'	0° 00	58° 16'	0	1.6176	1.6176
7	g	$\frac{1}{2}0$	102	90° 00	26° 04	26° 04	0° 00	26° 04	0° 00	0.4891	0	0.4891
8	u	$\frac{1}{2}0$	101	"	44° 22	44° 22	"	44° 22	"	0.9782	"	0.9782
9	x	2	221	50° 25	68° 30	62° 55'	58° 16'	45° 48'	36° 21'	1.9564	1.6176	2.5386
10	y	13	131	21° 57'	69° 05	44° 22	67° 36	20° 26'	60° 02	0.9782	2.4264	2.6161
11	p	$\frac{1}{2}1$	122	31° 10	43° 23	26° 04	38° 58	20° 49'	36° 00	0.4891	0.8088	0.9452

Thomsenolith.

Monoklin.

a = 0.9973	lg a = 999883	lg a _o = 998460	lg p _o = 001540	a _o = 0.9652	p _o = 1.0361
c = 1.0333	lg c = 001423	lg b _o = 998577	lg q _o = 001355	b _o = 0.9678	q _o = 1.0317
$\mu = \left. \begin{matrix} 86^\circ 48' \\ 180 - \beta \end{matrix} \right\}$	$\left. \begin{matrix} \lg h = \\ \lg \sin \mu \end{matrix} \right\} 999932$	$\left. \begin{matrix} \lg e = \\ \lg \cos \mu \end{matrix} \right\} 874680$	$\lg \frac{p_o}{q_o} = 000185$	h = 0.9984	e = 0.0558

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	$\frac{x'}{(Prismen)} (x:y)$	y'	$d' = \lg \varrho$
1	c	0	001	90° 00'	3° 12'	3° 12'	0° 00'	3° 12'	0° 00'	0.0559	0	0.0559
2	m	∞	110	45 07'	90 00'	90 00'	90 00'	45 07'	44 52'	1.0042	∞	∞
3	t	-10	101	90 00'	44 28'	44 28'	0 00'	44 28'	0 00'	0.9818	0	0.9818
4	x	$-\frac{3}{2}0$	302	"	56 19'	56 19'	"	56 19'	"	1.5007	"	1.5007
5	v	+3	331	45 38'	77 17'	72 29'	72 07'	44 13'	43 00'	3.1691	3.1000	4.4331
6	q	-1	111	43 32'	45 57'	44 28'	45 56'	34 19'	36 24'	0.9818	1.0333	1.4254
7	r	-2	221	44 20'	70 54'	63 39'	64 11'	41 20'	42 31'	2.0196	2.0666	2.8895
8	s	-3	331	44 36'	77 04'	71 53'	72 07'	43 11'	43 56'	3.0572	3.1000	4.3538

Thomsonit.

Rhombisch.

a = 0.9932	lg a = 999704	lg a _o = 999418	lg p _o = 000582	a _o = 0.9867	p _o = 1.0135
c = 1.0066	lg c = 000286	lg b _o = 999714	lg q _o = 000286	b _o = 0.9934	q _o = 1.0066

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	$\frac{x}{(Prismen)} (x:y)$	y	$d = \lg \varrho$
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	b	0∞	010	0° 00'	90 00'	"	90 00'	"	90 00'	"	∞	∞
3	a	$\infty 0$	100	90 00'	"	90 00'	0 00'	90 00'	0 00'	∞	0	"
4	m	∞	110	45 11'	"	"	90 00'	45 11'	44 48'	1.0068	∞	"
5	y	$0\frac{1}{2}$	012	0 00'	26 43'	0 00'	26 43'	0° 00'	26 43'	0	0.5033	0.5033
6	r	10	101	90 00'	45 23'	45 23'	0 00'	45 23'	0 00'	1.0135	0	1.0135
7	p	1	111	45 11'	55 00'	"	45 11'	35 32'	35 15'	"	1.0066	1.4284

Thorit.**Tetragonal.**

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 0.6405 \quad \lg c = 980652 \quad \lg a_o = 019348 \quad a_o = 1.561$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	m	∞	110	45°00	90°00	90°00	90°00	45°00	45°00	1'0000	∞	∞
2	p	1	111	"	42 10	32 38	32 38	28 20	28 20	0'6405	0'6405	0'9070
3	z	13	131	18 26	63 43	"	62 30	16 28	58 17	"	1'9215	2'0254

Tiemannit.**Regulär. Tetraedrisch-hemiedrisch.**

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{Bmatrix} 0 \\ 0\infty \end{Bmatrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	$\begin{matrix} - \\ 0^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ " \end{matrix}$	$\begin{matrix} 0^\circ 00 \\ 90^\circ 00 \end{matrix}$	$\begin{matrix} 0 \\ " \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$	$\begin{matrix} 0 \\ \infty \end{matrix}$
2	l	$\begin{Bmatrix} +\frac{1}{2} \\ +15 \end{Bmatrix}$	$\begin{matrix} 115 \\ 151 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 11^\circ 18' \end{matrix}$	$\begin{matrix} 15^\circ 47' \\ 78^\circ 54' \end{matrix}$	$\begin{matrix} 11^\circ 18' \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 11^\circ 18' \\ 78^\circ 41' \end{matrix}$	$\begin{matrix} 11^\circ 06' \\ " \end{matrix}$	$\begin{matrix} 11^\circ 06' \\ 74^\circ 12' \end{matrix}$	$\begin{matrix} 0'2000 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'2000 \\ 5'0000 \end{matrix}$	$\begin{matrix} 0'2828 \\ 5'0989 \end{matrix}$
3	x	$\begin{Bmatrix} +\frac{3}{2} \\ +1\frac{1}{2} \end{Bmatrix}$	$\begin{matrix} 337 \\ 373 \end{matrix}$	$\begin{matrix} 45^\circ 00 \\ 23^\circ 12' \end{matrix}$	$\begin{matrix} 31^\circ 13' \\ 68^\circ 30' \end{matrix}$	$\begin{matrix} 23^\circ 12' \\ 45^\circ 00 \end{matrix}$	$\begin{matrix} 23^\circ 12' \\ 66^\circ 48' \end{matrix}$	$\begin{matrix} 21^\circ 30' \\ " \end{matrix}$	$\begin{matrix} 21^\circ 30' \\ 58^\circ 47' \end{matrix}$	$\begin{matrix} 0'4286 \\ 1'0000 \end{matrix}$	$\begin{matrix} 0'4286 \\ 2'3333 \end{matrix}$	$\begin{matrix} 0'6061 \\ 2'5386 \end{matrix}$
4	pp'	± 1	111	45°00	54°44	"	45°00	35°16	35°16	"	1'0000	1'4142

Titaneisen.**Hexagonal. Rhomboedrisch-hemiedrisch.**

$$c = 1.3846 \quad \lg c = 014132 \quad \lg a_o = 009723 \quad \lg p_o = 996523 \quad a_o = 1.2509 \quad p_o = 0.9231 \quad (G_2)$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	0	0001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	∞	1010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	b	∞	1120	30°00	"	90°00	"	30°00	60°00	0'5773	"	"
4	η	2 ∞	2130	19°06'	"	"	"	19°06'	70°53'	0'3464	"	"
5	π	10	1011	0°00	42°42'	0°00	42°42'	0°00	42°42'	0	0'9231	0'9231
6	λ	20	2021	"	61°33'	"	61°33'	"	61°33'	"	1'8461	1'8461

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
7	u	50	5051	0°00	77°46'	0°00	77°46'	0°00	77°46'	0	4'6153	4'6153
8	d	$+\frac{1}{4}$	1124	30 00	21 47	11 18	19 05	10 41	18 45	0'1998	0'3461	0'3997
9	e	$+\frac{2}{3}$	2245	"	32 36	17 44	28 59	15 37	27 48	0'3198	0'5538	0'6395
10	δ	$-\frac{1}{2}$	1122	"	38 38	21 47	34 41	18 11	32 44	0'3997	0'6923	0'7994
11	p	$+\frac{1}{2}$	1121	"	57 58	38 38	54 09	25 05	47 14	0'7994	1'3846	1'5988
12	φ	-2	2241	"	72 38	57 58	70 08	28 30	55 45	1'5988	2'7692	3'1976
13	k	$+\frac{2}{3}$	5'5'10'2	"	75 57	63 25	73 53	29 01	57 09	1'9985	3'4615	3'9970
14	Σ	-5	5'5'10'1	"	82 52	75 57	81 47	29 44	59 14	3'9970	6'9230	7'7940
15	K	$+\frac{4}{5}$	4151	10 53	76 42	38 38	76 28	10 36	72 51	0'7994	4'1537	4'2300
16	Σ	$+\frac{1}{5}$	14'2'16'5	6 35	70 16	17 44	70 08	6 12	69 14	0'3197	2'7692	2'7876

Titanit.

Monoklin.

a = 0'7547	lg a = 987777	lg a ₀ = 994631	lg p ₀ = 005369	a ₀ = 0'8837	p ₀ = 1'1316
c = 0'8540	lg c = 993146	lg b ₀ = 006854	lg q ₀ = 987022	b ₀ = 1'1709	q ₀ = 0'7417
$\mu_{180} = \beta$	$\left. \begin{array}{l} 60^\circ 17' \\ \lg h = \\ \lg \sin \mu \end{array} \right\} 993876$	$\left. \begin{array}{l} \lg e = \\ \lg \cos \mu \end{array} \right\} 969523$	$\lg \frac{p_0}{q_0} = 018347$	h = 0'8685	e = 0'4957

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
1	y	0	001	90°00	29°43'	29°43'	0°00	29°43'	0°00	0'5707	0	0'5707
2	q	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	P	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	O	$\frac{2}{\infty}$	720	79 23'	"	"	90 00	79 23'	10 36'	5'3400	∞	"
5	o	$\frac{3}{\infty}$	310	77 40'	"	"	"	77 40'	12 19'	4'5771	"	"
6	r	∞	110	56 45'	"	"	"	56 45'	33 14'	1'5257	"	"
7	τ	$\infty 3$	130	26 57'	"	"	"	26 57'	63 02'	0'5085	"	"
8	ε	01	011	33 45'	45 46'	29 43'	40 30'	23 28'	36 34'	0'5707	0'8540	1'0272
9	s	02	021	18 28'	60 57'	"	59 39'	16 05'	56 01'	"	1'7080	1'8009
10	β	$\frac{0}{3}$	083	14 04'	66 55'	"	66 17'	12 55'	63 10'	"	2'2773	2'3478
11	ζ	04	041	9 29'	73 53'	"	73 41'	9 06'	71 22'	"	3'4160	3'4634
12	π	$+\frac{2}{20}$	201	90 00	72 31'	72 31'	0 00	72 31'	0 00	3'1766	0	3'1766
13	f	$+\frac{1}{10}$	101	"	61 54'	61 54'	"	61 54'	"	1'8737	"	1'8737
14	a	$+\frac{1}{20}$	102	"	50 43'	50 43'	"	50 43'	"	1'2222	"	1'2222
15	x	$+\frac{2}{50}$	205	"	47 31'	47 31'	"	47 31'	"	1'0919	"	1'0919
16	X	$-\frac{1}{10}$	304	90 00	22 07'	22 07'	"	22 07'	"	0'4064	"	0'4064
17	v	$-\frac{1}{20}$	101	"	36 13'	36 13'	"	36 13'	"	0'7322	"	0'7322
18	e	$-\frac{1}{50}$	705	"	51 25'	51 25'	"	51 25'	"	1'2533	"	1'2533

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\operatorname{tg} \varrho$
19	D	+6	661	58° 35'	84° 11'	83° 12'	78° 57'	58° 06'	31° 14'	8:3886	5:1240	9:8298
20	r	+3	331	60 14	79 02	77 25	68 41	58 27	29 10	4:4796	2:5620	5:1606
21	η	+2	221	61 44	74 30	72 31	59 39	58 04	27 09	3:1767	1:7080	3:6068
22	n	+1	111	65 30	64 06	61 54	40 30	54 56	21 54	1:8737	0:8540	2:0591
23	z	+ $\frac{1}{2}$	112	70 45	52 19	50 43	23 07	48 20	15 08	1:2222	0:4270	1:2947
24	k	+ $\frac{1}{4}$	114	76 36	42 40	41 52	12 03	41 14	9 02	0:8965	0:2135	0:9215
25	a	+ $\frac{1}{3}$	115	78 23	40 19	39 44	9 41	39 20	7 29	0:8313	0:1708	0:8487
26	l	- $\frac{1}{2}$	112	70 42	23 29	4 37	23 07	4 15	23 03	0:0807	0:4270	0:4346
27	Γ	- $\frac{3}{8}$	335	22 22	28 59	11 55	27 08	10 38	26 37	0:2109	0:5124	0:5541
28	Θ	- $\frac{3}{8}$	558	24 31	30 24	13 41	28 05	12 07	27 25	0:2435	0:5337	0:5867
29	Σ	- $\frac{2}{3}$	223	27 37	32 43	16 35	29 39	14 31	28 37	0:2979	0:5693	0:6426
30	A	- $\frac{7}{10}$	7:7:10	29 43	34 32	18 50	30 52	16 19	29 30	0:3413	0:5978	0:6884
31	II	- $\frac{3}{4}$	334	32 24	37 11	22 07	32 38	18 53	30 41	0:4064	0:6390	0:7586
32	Q	- $\frac{1}{2}$	445	34 37	39 42	25 15	34 20	21 16	31 48	0:4716	0:6832	0:8302
33	t	-1	111	40 36	48 22	36 12	40 30	29 06	34 34	0:7322	0:8540	1:1249
34	ξ	- $\frac{3}{2}$	332	47 12	62 03	54 08	52 01	40 24	36 53	1:3834	1:2810	1:8854
35	w	-2	221	49 59	69 22	63 50	59 39	45 48	36 59	2:0354	1:7080	2:6569
36	u	+1 $\frac{1}{2}$	212	77 10	62 30	61 54	23 07	59 52	11 22	1:8737	0:4270	1:9218
37	B	+1 $\frac{3}{2}$	232	55 38	66 13	"	52 01	49 04	31 06	"	1:2810	2:2698
38	d	+13	131	36 11	72 31	"	68 41	34 16	50 20	"	2:5620	3:1741
39	e	+15	151	23 41	77 54	"	76 49	23 08	63 33	"	4:2700	4:6630
40	ψ	+ $\frac{1}{10}$	1:10:10	39 23	47 51	35 02	40 30	28 03	34 58	0:7010	0:8540	1:1049
41	A	+ $\frac{1}{2}$	122	55 03	56 09	50 43	"	42 54	28 24	1:2222	"	1:4910
42	Ψ	+ $\frac{7}{8}$	766	67 47	66 07	64 26	"	57 50	20 04	2:0910	"	2:3112
43	U	- $\frac{3}{4}$	233	19 14	42 08	16 35	"	12 46	39 18	0:2979	"	0:9045
44	γ	-21	211	67 14	65 37	63 50	"	57 08	20 38	2:0354	"	2:2071
45	ω	-24	241	30 47	75 53	"	73 41	29 45	56 25	"	3:4160	3:9764
46	N	+ $\frac{1}{2}$	152	29 47	67 52	50 42	64 54	27 24	53 30	1:2222	2:1350	2:4601
47	Z	+ $\frac{1}{2}$	274	39 16	62 37	"	56 13	34 12	43 25	"	1:4945	1:9307
48	χ	+ $\frac{1}{2}$	132	43 39	60 32	"	52 01	36 57	39 03	"	1:2810	1:7706
49	p	+ $\frac{1}{2}$	214	80 05	51 08	"	12 03	50 05	7 42	"	0:2135	1:2408
50	L	+ $\frac{1}{2}$	316	83 21	50 54	"	8 06	50 26	5 09	"	0:1423	1:2305
51	M	- $\frac{1}{2}$	132	3 36	52 05	4 37	52 01	2 50	51 56	0:0807	1:2810	1:2835
52	φ	- $\frac{1}{4}$	182	1 21	73 41	"	73 41	1 18	73 38	"	3:4160	3:4170
53	μ	+ $\frac{1}{8}$	148	59 48	40 19	36 16	23 07	34 00	19 00	0:7336	0:4270	0:8488
54	κ	+ $\frac{1}{4}$	124	64 32	44 48	41 52	"	39 30	17 38	0:8965	"	0:9930
55	σ	+ $\frac{7}{2}$	736	78 27	64 53	64 26	"	62 31	10 26	2:0910	"	2:1341
56	δ	+ $\frac{5}{2}$	524	79 01	65 57	65 33	"	63 41	10 01	2:1995	"	2:2405
57	i	- $\frac{3}{2}$	312	72 51	55 22	54 08	"	51 50	14 02	1:3837	"	1:4480
58	h	+ $\frac{1}{3}$	173	26 46	65 52	45 08	63 21	24 16	54 34	1:0051	1:9881	2:2319
59	θ	+ $\frac{1}{4}$	238	70 20	43 35	41 52	17 45	40 29	13 25	0:8965	0:3202	0:9520
60	Y	+ $\frac{1}{8}$	1:17:8	22 00	62 56	36 16	61 08	19 30	55 39	0:7336	1:8147	1:9574

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\lg \varrho$
61	C	$-\frac{2}{3}\frac{4}{3}$	243	14° 39'	49° 39'	16° 35'	48° 42'	11° 07'	47° 30'	0.2979	1.1387	1.1770
62	F	$-\frac{2}{2}\frac{2}{2}$	354	20 50	48 48	22 07	46 52	15 32	44 41	0.4064	1.0675	1.1432
63	H	$-\frac{2}{2}\frac{2}{2}$	534	58 48	51 02	46 36	32 38	41 42	23 45	1.0579	0.6405	1.2368
64	K	$-\frac{2}{3}\frac{8}{3}$	285	2 04	53 49	2 50	53 48	1 40	53 46	0.0495	1.3664	1.3673
65	Φ	$+\frac{7}{9}\frac{5}{3}$	7.15.9	48 05	64 51	57 45	54 54	42 21	37 13	1.5854	1.4234	2.1307

Topas.

Rhombisch.

a = 0.5285	lg a = 972304	lg a ₀ = 974354	lg p ₀ = 025646	a ₀ = 0.5540	p ₀ = 1.8049
c = 0.9539	lg c = 997950	lg b ₀ = 002050	lg q ₀ = 997950	b ₀ = 1.0483	q ₀ = 0.9539

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\lg \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	?f	6 ∞	610	84 58	"	"	90 00	84 58	5 02	11.3530	∞	"
5	z	4 ∞	410	82 28	"	"	"	82 28	7 31	7.5687	"	"
6	N	2 ∞	210	75 12	"	"	"	75 12	14 48	3.7843	"	"
7	M	∞	110	62 08	"	"	"	62 08	27 51	1.8922	"	"
8	?O	2 $\infty\frac{5}{2}$	560	57 37	"	"	"	57 37	32 23	1.5768	"	"
9	m	2 $\infty\frac{1}{2}$	230	51 35	"	"	"	51 35	38 24	1.2614	"	"
10	λ	2 $\infty\frac{7}{4}$	470	47 14	"	"	"	47 14	42 46	1.0812	"	"
11	?r	2 $\infty\frac{13}{4}$	7.13.0	45 32	"	"	"	45 32	44 28	1.0189	"	"
12	?L	2 $\infty\frac{15}{8}$	8.15.0	45 15	"	"	"	45 15	44 44	1.0092	"	"
13	l	2 $\infty\frac{2}{3}$	120	43 25	"	"	"	43 25	46 35	0.9461	"	"
14	?u	2 $\infty\frac{11}{3}$	5.11.0	40 42	"	"	"	40 42	49 18	0.8601	"	"
15	π	2 $\infty\frac{1}{2}$	250	37 07	"	"	"	37 07	52 53	0.7568	"	"
16	g	2 $\infty\frac{3}{2}$	130	32 14	"	"	"	32 14	57 45	0.6307	"	"
17	n	2 $\infty\frac{4}{3}$	140	25 19	"	"	"	25 19	64 41	0.4730	"	"
18	μ	2 $\infty\frac{5}{2}$	150	20 43	"	"	"	20 43	69 16	0.3784	"	"
19	D	0 $\frac{1}{2}$	015	0 00	10 48	0 00	10 48	0 00	10 48	0	0.1908	0.1908
20	H	0 $\frac{1}{3}$	013	"	17 38	"	17 38	"	17 38	"	0.3179	0.3179
21	F	0 $\frac{2}{3}$	025	"	20 53	"	20 53	"	20 53	"	0.3815	0.3815
22	β	0 $\frac{1}{2}$	012	"	25 30	"	25 30	"	25 30	"	0.4769	0.4769
23	G	0 $\frac{2}{3}$	035	"	29 47	"	29 47	"	29 47	"	0.5723	0.5723
24	X	0 $\frac{4}{3}$	023	"	32 27	"	32 27	"	32 27	"	0.6359	0.6359
25	K	0 $\frac{4}{3}$	045	"	37 21	"	37 21	"	37 21	"	0.7631	0.7631
26	J	0 $\frac{5}{6}$	056	"	38 29	"	38 29	"	38 29	"	0.7949	0.7949
27	f	01	011	"	43 39	"	43 39	"	43 39	"	0.9539	0.9539

No.	Buch- staben	Symb.	Miller	φ	ρ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg e
28	γ	$0\frac{8}{2}$	087	0° 00	47° 29	0° 00	47° 29	0° 00	47° 29	0	1'0901	1'0901
29	k	$0\frac{3}{2}$	032	"	55 03	"	55 03	"	55 03	"	1'4308	1'4308
30	y	02	021	"	62 20	"	62 20	"	62 20	"	1'9078	1'9078
31	Δ	$0\frac{15}{4}$	0'15'4	"	74 23	"	74 23	"	74 23	"	3'5771	3'5771
32	w	$0\frac{4}{4}$	041	"	75 19	"	75 19	"	75 19	"	3'8156	3'8156
33	ω	$\frac{1}{4}0$	104	90 00	24 17	24 17	0 00	24 17	0 00	0'4512	0	0'4512
34	h	$\frac{1}{2}0$	103	"	31 02	31 02	"	31 02	"	0'6016	"	0'6016
35	δ	$\frac{2}{4}0$	205	"	35 49	35 49	"	35 49	"	0'7219	"	0'7219
36	p	$\frac{3}{4}0$	102	"	42 04	42 04	"	42 04	"	0'9024	"	0'9024
37	C	$\frac{3}{2}0$	305	"	47 17	47 17	"	47 17	"	1'0829	"	1'0829
38	V	$\frac{3}{2}0$	304	"	53 33	53 33	"	53 33	"	1'3537	"	1'3537
39	B	$\frac{4}{3}0$	405	"	55 18	55 18	"	55 18	"	1'4439	"	1'4439
40	x	$\frac{9}{10}0$	9'0'10	"	58 23	58 23	"	58 23	"	1'6244	"	1'6244
41	d	$\frac{1}{10}$	101	"	61 00	61 00	"	61 00	"	1'8049	"	1'8049
42	e	$\frac{2}{20}$	201	"	74 31	74 31	"	74 31	"	3'6098	"	3'6098
43	P	$\frac{2}{4}0$	702	"	81 00	81 00	"	81 00	"	6'3173	"	6'3173
44	ϵ	$\frac{1}{4}$	114	62 08	27 02	24 17	13 25	23 42	12 16	0'4512	0'2385	0'5104
45	i	$\frac{1}{3}$	113	"	34 14	31 02	17 38	29 49	15 14	0'6016	0'3179	0'6805
46	f	$\frac{2}{3}$	225	"	39 14	35 49	20 53	34 00	17 11	0'7219	0'3815	0'8166
47	u	$\frac{1}{2}$	112	"	45 35	42 04	25 30	39 10	19 30	0'9024	0'4769	1'0207
48	S	$\frac{2}{3}$	335	"	50 46	47 17	29 47	43 13	21 13	1'0830	0'5723	1'2249
49	Z	$\frac{3}{2}$	334	"	56 51	53 33	35 35	47 45	23 02	1'3537	0'7154	1'5311
50	$\frac{2}{3}a$	$\frac{3}{2}0$	556	"	59 33	56 23	38 29	49 39	23 43	1'5041	0'7949	1'7012
51	o	1	111	"	63 54	61 00	43 39	52 33	24 48	1'8049	0'9593	2'0414
52	m	$\frac{2}{3}$	995	"	74 46	72 53	59 47	58 33	26 48	3'2498	1'7170	3'6746
53	e	$\frac{2}{2}$	221	"	76 14	74 31	62 20	59 10	26 59	3'6098	1'9078	4'0829
54	Q	7	771	"	86 00	85 28	81 29	61 53	27 47	12'6350	6'6773	14'291
55	Φ	$1\frac{1}{2}$	414	82 28	61 13	61 00	13 25	60 20	6 35	1'5041	0'2385	1'8206
56	Θ	$1\frac{1}{3}$	313	80 00	61 23	"	17 38	59 49	8 45	"	0'3179	1'8327
57	Y	$1\frac{1}{2}$	212	75 12	61 49	"	25 30	58 27	13 01	"	0'4769	1'8669
58	\mathcal{C}	$1\frac{4}{12}$	545	67 05	62 58	"	37 21	55 07	20 18	"	0'7631	1'9596
59	r	$\frac{1}{12}$	121	43 25	69 09	"	62 20	39 57	42 45	"	1'9078	2'6263
60	i	$\frac{1}{13}$	131	32 14	73 32	"	70 44	30 46	54 12	"	2'8617	3'3833
61	R	$\frac{1}{4}$	141	25 19	76 40	"	75 19	24 35	61 35	"	3'8156	4'2209
62	\mathcal{P}	$\frac{1}{4}1$	155	20 43	45 34	19 51	43 39	14 38	41 54	0'3610	0'9593	1'0199
63	T	$\frac{1}{4}1$	133	32 14	48 20	31 02	"	23 31	39 15	0'6016	"	1'1278
64	Ω	$\frac{2}{3}1$	255	37 07	50 06	35 49	"	27 35	37 43	0'7219	"	1'1963
65	v	$\frac{1}{2}1$	122	43 25	52 42	42 04	"	33 08	35 18	0'9024	"	1'3131
66	Σ	$\frac{4}{7}1$	477	47 14	54 33	45 53	"	36 44	33 35	1'0314	"	1'4048
67	η	$\frac{2}{3}1$	233	51 35	56 55	50 16	"	41 03	31 22	1'2033	"	1'5355
68	Δ	$\frac{5}{7}1$	577	53 30	58 03	52 12	"	43 00	30 19	1'2892	"	1'6037
69	Θ	$\frac{4}{5}1$	455	56 33	59 58	55 18	"	46 15	28 30	1'4440	"	1'7306
70	U	$\frac{2}{3}2$	261	32 14	81 35	74 31	80 05	31 51	56 48	3'6098	5'7234	6'7666
71	Π	$\frac{3}{3}2$	342	54 50	73 12	69 43	62 20	51 30	33 28	2'7066	1'9078	3'3120
72	\mathcal{E}	$\frac{3}{3}2$	321	70 35	80 07	79 32	"	68 18	19 06	5'4147	"	5'7410

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	Y	d =lg d
73	a	$\frac{1}{2}\frac{1}{2}$	214	75° 12'	43° 01'	42° 04'	13° 25'	41° 16'	10° 02'	0° 9024	0° 2385	0° 9335
74	Ψ	$\frac{1}{2}\frac{3}{2}$	132	32° 14'	59° 24'	"	55° 03'	27° 20'	46° 44'	"	1° 4308	1° 6916
75	a	$\frac{1}{2}\frac{3}{2}$	152	20° 43'	68° 35'	"	67° 15'	19° 14'	60° 32'	"	2° 3848	2° 5498
76	s	$\frac{1}{6}\frac{1}{2}$	136	32° 14'	29° 25'	16° 44'	25° 30'	15° 11'	24° 33'	0° 3008	0° 4769	0° 5639
77	ψ	$\frac{1}{4}\frac{1}{2}$	124	43° 25'	33° 17'	24° 17'	"	22° 09'	23° 29'	0° 4512	"	0° 6566
78	u	$\frac{1}{2}\frac{1}{2}$	312	80° 00'	70° 00'	69° 43'	"	67° 44'	9° 23'	2° 7074	"	2° 7491
79	χ	$\frac{1}{3}\frac{1}{6}$	216	75° 12'	31° 53'	31° 02'	9° 02'	30° 43'	7° 45'	0° 6016	0° 1589	0° 6223
80	x	$\frac{1}{3}\frac{2}{3}$	123	43° 25'	41° 12'	"	32° 27'	26° 55'	28° 35'	"	0° 6359	0° 8754
81	φ	$\frac{1}{3}\frac{1}{3}$	143	25° 19'	54° 36'	"	51° 49'	20° 24'	47° 27'	"	1° 2718	1° 4070
82	b	$\frac{1}{3}\frac{2}{3}$	153	20° 43'	59° 32'	"	57° 50'	17° 46'	53° 43'	"	1° 5898	1° 6998
83	q	$\frac{1}{3}\frac{1}{3}$	213	75° 12'	51° 13'	50° 16'	17° 38'	48° 54'	11° 29'	1° 2033	0° 3179	1° 2446
84	c	$\frac{4}{3}\frac{1}{3}$	413	82° 28'	67° 36'	67° 26'	"	66° 26'	6° 57'	2° 4065	"	2° 4275
85	b	$4^{\circ}10'$	$4^{\circ}10'1$	37° 07'	85° 13'	82° 07'	84° 01'	36° 58'	52° 37'	7° 2192	9° 5930	11° 963
86	θ	$\frac{1}{4}\frac{1}{2}$	134	32° 14'	40° 13'	24° 17'	35° 35'	20° 09'	33° 06'	0° 4512	0° 7154	0° 8458
87	e	$\frac{1}{4}\frac{1}{2}$	154	20° 43'	51° 53'	"	50° 01'	16° 10'	47° 23'	"	1° 1924	1° 2749
88	h	$\frac{1}{4}\frac{2}{4}$	174	15° 07'	59° 57'	"	59° 04'	13° 03'	56° 41'	"	1° 6693	1° 7292
89	i	$\frac{1}{4}\frac{2}{4}$	$1^{\circ}10'4$	10° 43'	67° 36'	"	67° 15'	9° 36'	65° 17'	"	2° 3848	2° 4270
90	r	$\frac{3}{4}\frac{1}{4}$	314	80° 00'	53° 58'	53° 33'	13° 25'	52° 47'	8° 04'	1° 3537	0° 2385	1° 3745
91	i	$\frac{7}{8}\frac{1}{4}$	728	81° 25'	57° 57'	57° 39'	"	56° 56'	7° 16'	1° 5793	"	1° 5972
92	t	$\frac{1}{4}\frac{3}{4}$	135	32° 14'	34° 05'	19° 51'	29° 47'	17° 24'	28° 18'	0° 3610	0° 5723	0° 6767
93	f	$\frac{7}{8}\frac{6}{8}$	$7^{\circ}12'2$	47° 49'	83° 18'	81° 00'	80° 05'	47° 23'	41° 49'	6° 3173	5° 4658	8° 5244
94	Q	$\frac{9}{10}\frac{1}{10}$	617	84° 58'	57° 13'	57° 07'	7° 45'	56° 53'	4° 14'	1° 5471	0° 1363	1° 5531
95	I	$9^{\circ}17'$	$9^{\circ}17'1$	45° 03'	87° 30'	86° 28'	86° 28'	44° 59'	44° 54'	16° 2441	16° 2160	22° 953
96	v	$\frac{10}{10}\frac{10}{10}$	$1^{\circ}9'10$	11° 52'	41° 15'	10° 14'	40° 39'	7° 48'	40° 11'	0° 1804	0° 8585	0° 8773
97	m	$\frac{2}{3}\frac{4}{3}$	243	43° 25'	60° 16'	50° 16'	51° 49'	36° 38'	39° 06'	1° 2033	1° 2721	1° 7504
98	n	$\frac{2}{3}\frac{4}{3}$	253	37° 07'	63° 22'	"	57° 50'	32° 39'	45° 27'	"	1° 5898	1° 9938
99	o	$\frac{2}{3}\frac{10}{3}$	$2^{\circ}10'3$	20° 43'	73° 36'	"	72° 32'	19° 51'	63° 48'	"	3° 1796	3° 3907
100	I	$\frac{3}{4}\frac{3}{4}$	523	78° 04'	71° 59'	71° 36'	32° 27'	68° 30'	11° 20'	3° 0082	0° 6359	3° 0747
101	E	$\frac{3}{4}\frac{3}{4}$	368	43° 25'	44° 34'	34° 05'	35° 35'	28° 50'	30° 39'	0° 6785	0° 7154	0° 9849
102	q	$\frac{4}{5}\frac{4}{5}$	465	51° 35'	61° 30'	55° 18'	48° 51'	43° 32'	33° 05'	1° 4439	1° 1446	1° 8426
103	A	$\frac{5}{6}\frac{7}{6}$	576	53° 30'	61° 52'	56° 23'	48° 03'	45° 09'	31° 38'	1° 5041	1° 1129	1° 8710
104	σ	$\frac{7}{8}\frac{7}{8}$	$7^{\circ}14'8$	43° 25'	66° 29'	57° 39'	59° 04'	39° 04'	41° 46'	1° 5793	1° 6693	2° 2980
105	U	$\frac{2}{3}\frac{8}{3}$	285	25° 19'	59° 22'	35° 49'	56° 46'	21° 35'	51° 03'	0° 7219	1° 5262	1° 6883
106	G	$\frac{3}{4}\frac{3}{4}$	325	70° 35'	48° 57'	47° 17'	20° 53'	45° 20'	14° 31'	1° 0829	0° 3815	1° 1482
107	v	$\frac{7}{8}\frac{9}{8}$	297	22° 48'	53° 04'	27° 17'	50° 48'	18° 03'	47° 28'	0° 5157	1° 2264	1° 3304
108	η	$\frac{4}{7}\frac{10}{7}$	$4^{\circ}10'7$	37° 07'	59° 40'	45° 53'	53° 43'	31° 23'	43° 29'	1° 0314	1° 3627	1° 7090
109	r	$\frac{5}{6}\frac{4}{6}$	547	67° 05'	54° 27'	52° 12'	28° 35'	48° 32'	18° 28'	1° 2892	0° 5451	1° 3997
110	ξ	$\frac{5}{6}\frac{4}{6}$	549	"	47° 26'	45° 04'	22° 58'	42° 43'	16° 40'	1° 0027	0° 4239	1° 0887
111	z	$\frac{7}{15}\frac{4}{15}$	$7^{\circ}4'15$	73° 12'	41° 20'	40° 06'	14° 16'	39° 13'	11° 00'	0° 8423	0° 2543	0° 8799
112	p	$\frac{3}{4}\frac{3}{4}$	354	48° 37'	61° 00'	53° 33'	50° 01'	41° 01'	35° 19'	1° 3537	1° 1924	1° 8039
113	ϕ	$\frac{8}{11}\frac{11}{11}$	$8^{\circ}14'11$	47° 14'	60° 47'	52° 42'	50° 31'	39° 51'	36° 20'	1° 3127	1° 2140	1° 7880

Tridymit.

Hexagonal-holoedrisch.

$$c = 2.8624 \quad \lg c = 0.45673 \quad \lg a_0 = 9.78183 \quad \lg p_0 = 0.28064 \quad a_0 = 0.6051 \quad p_0 = 1.9083 \quad (G_1)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	∞	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	l	$\frac{5}{2}\infty$	5490	26 20	"	"	"	26 20	63 40	0.4949	"	"
5	i	$\frac{3}{2}\infty$	3250	23 25	"	"	"	23 25	66 35	0.4330	"	"
6	w	$\frac{1}{2}0$	1016	0 00	17 38'	0 00	17 38'	0 00	17 38'	0	0.3180	0.3180
7	e	$\frac{1}{3}0$	1013	"	32 27'	"	32 27'	"	32 27'	"	0.6361	0.6361
8	f	$\frac{1}{2}0$	1012	"	43 39'	"	43 39'	"	43 39'	"	0.9541	0.9541
9	g	$\frac{3}{4}0$	2023	"	51 50	"	51 50	"	51 50	"	1.2722	1.2722
10	r	$\frac{3}{4}0$	3034	"	55 03'	"	55 03'	"	55 03'	"	1.4312	1.4312
11	p	10	1011	"	62 20'	"	62 20'	"	62 20'	"	1.9083	1.9083
12	q	$\frac{4}{3}0$	4043	"	68 32'	"	68 32'	"	68 32'	"	2.5444	2.5444
13	x	$1\frac{1}{2}$	8198	5 49	63 52	11 40'	63 45	5 13	63 16'	0.2067	2.0275	2.0380

Trimerit.

Hexagonal.

$$c = 1.6321 \quad \lg c = 0.21275 \quad \lg a_0 = 0.02581 \quad \lg p_0 = 0.03666 \quad a_0 = 1.0612 \quad p_0 = 1.0881 \quad (G_1)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	∞	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	n	∞	1120	30 00	"	90 00	"	30 00	60 00	0.5773	"	"
4	s	$\frac{1}{2}0$	1012	0 00	28 33	0 00	28 33	0 00	28 33	0	0.5440	0.5440
5	p	10	1011	"	47 25	"	47 25	"	47 25	"	1.0881	1.0881
6	o	$1\frac{1}{2}$	2131	19 06'	55 12'	25 13'	53 40'	15 35'	50 54'	0.4712	1.3601	1.4394

Triphylin.

Rhomblech.

$a = 0.8696$	$\lg a = 993932$	$\lg a_0 = 991689$	$\lg p_0 = 008311$	$a_0 = 0.8258$	$p_0 = 1.2109$
$c = 1.0530$	$\lg c = 002243$	$\lg b_0 = 997757$	$\lg q_0 = 002243$	$b_0 = 0.9497$	$q_0 = 1.0530$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	P	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	M	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	T	2 ∞	210	66 30	"	90 00	"	66 30	23 30	2.2999	"	"
4	l	∞	110	48 59'	"	"	"	48 59'	41 00'	1.1490	"	"
5	o	01	011	0 00	46 28'	0 00	46 28'	0 00	46 28'	0	1.0530	1.0530
6	n	0 $\frac{1}{2}$	032	"	57 39'	"	57 39'	"	57 39'	"	1.5795	1.5795
7	w	$\frac{1}{2}0$	102	90 00	31 11'	31 11'	0 00	31 11'	0 00	0.6054	0	0.6054
8	u	$\frac{1}{2}0$	101	"	50 27'	50 27'	"	50 27'	"	1.2109	"	1.2109
9	v	$\frac{3}{2}0$	302	"	61 10'	61 10'	"	61 10'	"	1.8163	"	1.8163

Triploidit.

Monoklin.

$a = 1.8571$	$\lg a = 026882$	$\lg a_0 = 009491$	$\lg p_0 = 990509$	$a_0 = 1.2443$	$p_0 = 0.8037$
$c = 1.4925$	$\lg c = 017391$	$\lg b_0 = 982609$	$\lg q_0 = 015154$	$b_0 = 0.6700$	$q_0 = 1.4176$
$\mu = \frac{1}{180} \beta \} 71.46$	$\lg h = \} 997763$	$\lg e = \} 949539$	$\lg \frac{p_0}{q_0} = 975355$	$h = 0.9498$	$e = 0.3129$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	0	001	90° 00	18° 14	18° 14	0° 00	18° 14	0° 00	0.3294	0	0.3294
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	J	∞	110	29 33	"	"	90 00	29 33	60 27	0.5669	∞	"
5	e	01	011	12 27	56 48'	18 14	56 10'	10 23'	54 48'	0.3294	1.4924	1.5285
6	p	—21	211	42 24	63 40'	53 44	"	37 11	41 26'	1.3629	1.4925	2.0211

Trippkeit.

Tetragonal.

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 0.6477 \quad \lg c = 981137 \quad \lg a_o = 018863 \quad a_o = 1.5439$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x (Prismen) (x : y)	y	d = tge
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	a	∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	b	∞	110	45 00	"	90 00	"	45 00	45 00	1'0000	"	"
4	u	01	011	0 00	32 56	0 00	32 56	0 00	32 56	o	0.6477	0.6477
5	o	02	021	"	52 20	"	52 20	"	52 20	"	1.2954	1.2954
6	e	06	061	"	75 34	"	75 34	"	75 34	"	3.8861	3.8861
7	y	$\frac{1}{2}1$	122	26 34	35 54	17 56	32 56	15 12	31 38	0.3238	0.6477	0.7241
8	z	$\frac{1}{2}2$	232	33 41	49 25	32 56	44 10	24 55	39 11	0.6477	0.9715	1.1676
9	x	12	121	26 34	55 22	"	52 20	21 35	47 23	"	1.2954	1.4483

Trona.

Monoklin.

$$\begin{aligned} a &= 2.8459 \quad \lg a = 045422 \quad \lg a_o = 998152 \quad \lg p_o = 001848 \quad a_o = 0.9583 \quad p_o = 1.0435 \\ c &= 2.9696 \quad \lg c = 047270 \quad \lg b_o = 952730 \quad \lg q_o = 046208 \quad b_o = 0.3367 \quad q_o = 2.8979 \\ \mu &= \left. \begin{matrix} 180 - \beta \\ 77^\circ 23' \end{matrix} \right\} \quad \lg h = \left. \begin{matrix} 998938 \\ \lg \sin \mu \end{matrix} \right\} \quad \lg e = \left. \begin{matrix} 933931 \\ \lg \cos \mu \end{matrix} \right\} \quad \lg \frac{p_o}{q_o} = 955640 \quad h = 0.9758 \quad e = 0.2184 \end{aligned}$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	x' (Prismen) (x : y)	y'	d' = tge
1	c	o	001	90° 00	12° 37	12° 37	0° 00	12° 37	0° 00	0.2238	o	0.2238
2	a	∞	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	e	+10	101	"	52 17	52 17	"	52 17	"	1.2931	"	1.2931
4	ρ	+ $\frac{3}{2}0$	304	"	45 44	45 44	"	45 44	"	1.0258	"	1.0258
5	s	- $\frac{3}{2}0$	302	90 00	54 04	54 04	"	54 04	"	1.3801	"	1.3801
6	p	+1	111	23 32	72 50	52 17	71 23	22 25	61 10	1.2931	2.9696	3.2389
7	o	-1	111	15 53	72 03	40 13	"	15 06	66 12	0.8455	"	3.0876
8	r	+21	211	38 30	75 14	67 03	"	37 01	49 10	2.3625	"	3.7947

Tungstit.**Rhomboisch.**

$a = 0.6966$	$\lg a = 984298$	$\lg a_0 = 963604$	$\lg p_0 = 036396$	$a_0 = 0.4326$	$p_0 = 2.3118$
$c = 1.6104$	$\lg c = 020694$	$\lg b_0 = 979306$	$\lg q_0 = 020694$	$b_0 = 0.6210$	$q_0 = 1.6104$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	$\infty 0$	100	90° 00	90° 00	90° 00	"	90° 00	"	∞	"	∞
3	m	∞	110	55° 08	"	"	90° 00	55° 08	34° 52	1.4356	∞	"
4	n	$\infty 2$	120	35° 40	"	"	"	35° 40	54° 20	0.7178	"	"
5	d	$0 \frac{1}{2}$	012	0° 00	38° 50	0° 00	38° 50	0° 00	38° 50	0	0.8052	0.8052
6	e	$0 \frac{1}{2}$	034	"	50° 22	"	50° 22	"	50° 22	"	1.2078	1.2078
7	f	01	011	"	58° 09	"	58° 09	"	58° 09	"	1.6104	1.6104
8	g	$0 \frac{1}{2}$	054	"	63° 35	"	63° 35	"	63° 35	"	2.0130	2.0130
9	h	02	021	"	72° 45	"	72° 45	"	72° 45	"	3.2208	3.2208

Turmalin.**Hexagonal. Rhomboedrisch-hemiedrisch.**

$c = 0.4477$	$\lg c = 965099$	$\lg a_0 = 058757$	$\lg p_0 = 947490$	$a_0 = 3.8687$	$p_0 = 0.2985$ (G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	o	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	$\infty 0$	1010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	b	∞	1120	30° 00	"	90° 00	"	30° 00	60° 00	0.5773	"	"
4	φ	$\frac{3}{4} \infty$	5490	26° 20	"	"	"	26° 20	63° 40	0.4949	"	"
5	χ	$\frac{4}{3} \infty$	4370	25° 17	"	"	"	25° 17	64° 43	0.4724	"	"
6	ψ	$\frac{3}{2} \infty$	3250	23° 25	"	"	"	23° 25	66° 35	0.4330	"	"
7	η	2∞	2130	19° 06	"	"	"	19° 06	70° 53	0.3464	"	"
8	ω	3∞	3140	13° 54	"	"	"	13° 54	76° 06	0.2474	"	"
9	ϑ	4∞	4150	10° 53	"	"	"	10° 53	79° 06	0.1924	"	"
10	ς	6∞	6170	7° 35	"	"	"	7° 35	82° 24	0.1332	"	"
11	π	10	1011	0° 00	16° 37	0° 00	16° 37	0° 00	16° 37	0	0.2985	0.2985
12	d	$+\frac{1}{4}$	1124	30° 00	7° 22	3° 42	6° 23	3° 40	6° 22	0.0646	0.1119	0.1292
13	f δ	$+\frac{1}{2}$	1122	"	14° 29	7° 22	12° 37	7° 11	12° 31	0.1292	0.2238	0.2585
14	p κ	$+\frac{1}{2}$	1121	"	27° 20	14° 29	24° 07	13° 16	23° 26	0.2585	0.4477	0.5170
15	v	$-\frac{3}{4}$	55° 10' 4	"	32° 52	17° 54	29° 14	15° 45	28° 02	0.3231	0.5596	0.6462
16	a	$+\frac{7}{4}$	77° 14' 4	"	42° 08	24° 20	38° 04	19° 36	35° 31	0.4523	0.7835	0.9047
17	φ	-2	2241	"	45° 47	27° 20	41° 50	21° 04	38° 30	0.5170	0.8954	1.0339

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tge
18	k	$+\frac{1}{2}$	5°5'10"2	30°00	52°16	32°52	48°13	23°17	43°14	0°6462	1°1193	1°2924
19	d	$-\frac{1}{2}$	7°7'14"2	"	61°04	42°08	57°27	25°57	49°17	0°9047	1°6033	1°8094
20	y	$-\frac{1}{5}$	19°19'38"5	"	63°01	44°29	59°33	26°27	50°31	0°9822	1°7012	1°9645
21	m	$+\frac{1}{4}$	4481	"	64°11	45°57	60°49	26°45	51°13	1°0339	1°7908	2°0679
22	j	$-\frac{1}{5}$	32°32'44"5	"	66°16	48°40	63°05	27°14	52°26	1°1373	1°9699	2°2746
23	z	$-\frac{1}{5}$	5°5'10"1	"	68°51	52°16	65°55	27°47	53°52	1°2924	2°2385	2°5848
24	r	$+\frac{1}{10}$	10°10'30"1	"	79°03	68°51	77°24	29°24	58°14	2°5847	4°4770	5°1696
25	s	$-\frac{1}{11}$	11°11'22"1	"	80°01	70°37	78°31	29°30	58°32	2°8433	4°9247	5°6866
26	x	$+\frac{1}{10}$	10°11'11"1	4°43	17°27	1°29	17°24	1°25	17°23	0°0258	0°3134	0°3145
27	C	$+\frac{1}{2}$	3252	23°25	33°02	14°29	30°50	12°31	30°01	0°2586	0°5969	0°6505
28	G	$+\frac{1}{5}$	11°5'16"5	17°47	40°14	"	38°52	11°23	37°58	"	0°8059	0°8463
29	H	$+\frac{1}{2}$	5272	16°06	42°59	"	41°50	10°54	40°55	"	0°8954	0°9320
30	o	$+\frac{1}{2}$	7292	12°13	50°41	"	50°03	9°25	49°08	"	1°1939	1°2215
31	K	$+\frac{1}{4}$	4151	10°53	53°50	"	53°20	8°46	52°26	"	1°3431	1°3681
32	P	$+\frac{1}{7}$	7181	6°35	66°04	"	65°55	6°01	65°14	"	2°2385	2°2534
33	a	$+\frac{1}{4}$	43°1'44"1	1°08	85°36	"	85°36	1°08	85°25	"	12°9835	12°986
34	e	$-\frac{1}{2}$	4152	10°53	34°22	7°22	33°53	6°07	33°40	0°1292	0°6715	0°6839
35	h	$-\frac{1}{2}$	14°8'22"7	21°03	39°26	16°27	37°30	13°11	36°21	0°2954	0°7675	0°8224
36	I	$-\frac{1}{2}$	28°25'53"14	28°07	44°23	24°46	40°48	19°15	38°05	0°4616	0°8634	0°9791
37	J	$-\frac{1}{5}$	13°10'23"5	25°41	50°01	27°20	47°03	19°24	43°40	0°5170	1°0742	1°1924
38	K	$-\frac{1}{2}$	3251	23°25	52°27	"	50°03	18°22	46°41	"	1°1939	1°3011
39	p	$-\frac{1}{2}$	5271	16°06	61°47	"	60°49	14°09	57°50	"	1°7908	1°8639
40	q	$-\frac{1}{2}$	8°3'10"1	10°53	69°55	"	69°35	10°13	67°16	"	2°6862	2°7355
41	U	$-\frac{1}{2}$	7182	6°35	48°24	7°22	48°13	4°55	47°59	0°1292	1°1192	1°1267
42	G	$-\frac{1}{2}$	11°5'16"4	17°47	46°36	17°54	45°12	12°49	43°47	0°3231	1°0073	1°0579
43	d	$-\frac{1}{2}$	13°1'14"2	3°40	63°39	7°22	63°36	3°17	63°24	0°1292	2°0146	2°0188

Tysonit.

Hexagonal. Holodrisch.

$$c = 1.1893 \quad \lg c = 0.07529 \quad \lg a_0 = 0.16327 \quad \lg p_0 = 0.98920 \quad a_0 = 1.4564 \quad p_0 = 0.7929 \quad (G_1)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tge
1	c	0	0001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	J	∞ 0	1010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	i	∞	1120	30°00	"	90°00	"	30°00	60°00	0°5773	"	"
4	p	10	1011	0°00	38°24	0°00	38°24	0°00	38°24	0	0°7929	0°7929
5	q	20	2021	"	57°46	"	57°46	"	57°46	"	1°5858	1°5858
6	s	1	1121	30°00	53°56	34°28	49°56	23°50	44°26	0°6866	1°1893	1°3733

Ullmannit.

Regulär. Pentagonal-hemiedrisch.

No.	Buchstaben	Symb.	Miller.	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \end{cases}$	$\begin{cases} 0^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \end{cases}$	$\begin{cases} 0^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$
2	a	$\begin{cases} 0\frac{1}{3} \\ 03 \\ \infty 3 \end{cases}$	$\begin{cases} 013 \\ 031 \\ 130 \end{cases}$	$\begin{cases} " \\ " \\ 18^\circ 26' \end{cases}$	$\begin{cases} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{cases}$	$\begin{cases} " \\ " \\ 90^\circ 00' \end{cases}$	$\begin{cases} 18^\circ 26' \\ 71^\circ 34' \\ 90^\circ 00' \end{cases}$	$\begin{cases} " \\ " \\ 18^\circ 26' \end{cases}$	$\begin{cases} 18^\circ 26' \\ 71^\circ 34' \\ " \end{cases}$	$\begin{cases} " \\ " \\ 0^\circ 3333 \end{cases}$	$\begin{cases} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{cases}$	$\begin{cases} 0^\circ 3333 \\ 3^\circ 0000 \\ \infty \end{cases}$
3	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{cases} 012 \\ 021 \\ 120 \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \\ 26^\circ 34' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \\ 90^\circ 00' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 63^\circ 26' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \\ 26^\circ 34' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 63^\circ 26' \\ " \end{cases}$	$\begin{cases} 0 \\ " \\ 0^\circ 5000 \end{cases}$	$\begin{cases} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{cases}$	$\begin{cases} 0^\circ 5000 \\ 2^\circ 0000 \\ \infty \end{cases}$
4	θ	$\begin{cases} 0\frac{2}{3} \\ 075 \\ \infty \frac{2}{3} \end{cases}$	$\begin{cases} 057 \\ 075 \\ 570 \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \\ 35^\circ 32' \end{cases}$	$\begin{cases} 35^\circ 32' \\ 54^\circ 27' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \\ 90^\circ 00' \end{cases}$	$\begin{cases} 35^\circ 32' \\ 54^\circ 27' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ " \\ 35^\circ 32' \end{cases}$	$\begin{cases} 35^\circ 32' \\ 54^\circ 27' \\ " \end{cases}$	$\begin{cases} 0 \\ " \\ 0^\circ 7143 \end{cases}$	$\begin{cases} 0^\circ 7143 \\ 1^\circ 4000 \\ \infty \end{cases}$	$\begin{cases} 0^\circ 7143 \\ 1^\circ 4000 \\ \infty \end{cases}$
5	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} 0^\circ 00' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 45^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 45^\circ 00' \\ 90^\circ 00' \end{cases}$	$\begin{cases} 0^\circ 00' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 45^\circ 00' \\ " \end{cases}$	$\begin{cases} 0 \\ 1^\circ 0000 \end{cases}$	$\begin{cases} 1^\circ 0000 \\ \infty \end{cases}$	$\begin{cases} 1^\circ 0000 \\ \infty \end{cases}$
6	q	$\begin{cases} \frac{1}{2} \\ 12 \end{cases}$	$\begin{cases} 112 \\ 121 \end{cases}$	$\begin{cases} " \\ 26^\circ 34' \end{cases}$	$\begin{cases} 35^\circ 16' \\ 65^\circ 54' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 24^\circ 05' \\ " \end{cases}$	$\begin{cases} 24^\circ 05' \\ 54^\circ 44' \end{cases}$	$\begin{cases} 0^\circ 5000 \\ 1^\circ 0000 \end{cases}$	$\begin{cases} 0^\circ 5000 \\ 2^\circ 0000 \end{cases}$	$\begin{cases} 0^\circ 7071 \\ 2^\circ 2360 \end{cases}$
7	n	$\begin{cases} \frac{2}{3} \\ 1\frac{1}{2} \end{cases}$	$\begin{cases} 223 \\ 232 \end{cases}$	$\begin{cases} 45^\circ 00' \\ 33^\circ 41' \end{cases}$	$\begin{cases} 43^\circ 19' \\ 60^\circ 59' \end{cases}$	$\begin{cases} 33^\circ 41' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 33^\circ 41' \\ 56^\circ 18' \end{cases}$	$\begin{cases} 29^\circ 01' \\ " \end{cases}$	$\begin{cases} 29^\circ 01' \\ 46^\circ 41' \end{cases}$	$\begin{cases} 0^\circ 6667 \\ 1^\circ 0000 \end{cases}$	$\begin{cases} 0^\circ 6667 \\ 1^\circ 5000 \end{cases}$	$\begin{cases} 0^\circ 9428 \\ 1^\circ 8028 \end{cases}$
8	p	1	111	45° 00'	54° 44'	"	45° 00'	35° 16'	35° 16'	"	1° 0000	1° 4142
9	C	$\begin{cases} \frac{1}{8}1 \\ 8 \end{cases}$	$\begin{cases} 188 \\ 881 \end{cases}$	$\begin{cases} 7^\circ 07' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 45^\circ 13' \\ 84^\circ 57' \end{cases}$	$\begin{cases} 7^\circ 07' \\ 82^\circ 52' \end{cases}$	$\begin{cases} " \\ 82^\circ 52' \end{cases}$	$\begin{cases} 5^\circ 03' \\ 44^\circ 46' \end{cases}$	$\begin{cases} 44^\circ 46' \\ " \end{cases}$	$\begin{cases} 0^\circ 1250 \\ 8^\circ 0000 \end{cases}$	$\begin{cases} " \\ 8^\circ 0000 \end{cases}$	$\begin{cases} 1^\circ 0078 \\ 11^\circ 314 \end{cases}$
10	v	$\begin{cases} \frac{1}{3}1 \\ 3 \end{cases}$	$\begin{cases} 133 \\ 331 \end{cases}$	$\begin{cases} 18^\circ 26' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 46^\circ 30' \\ 76^\circ 44' \end{cases}$	$\begin{cases} 18^\circ 26' \\ 71^\circ 34' \end{cases}$	$\begin{cases} 45^\circ 00' \\ 71^\circ 34' \end{cases}$	$\begin{cases} 13^\circ 16' \\ 43^\circ 29' \end{cases}$	$\begin{cases} 43^\circ 29' \\ " \end{cases}$	$\begin{cases} 0^\circ 3333 \\ 3^\circ 0000 \end{cases}$	$\begin{cases} 1^\circ 0000 \\ 3^\circ 0000 \end{cases}$	$\begin{cases} 1^\circ 0541 \\ 4^\circ 2426 \end{cases}$
11	u	$\begin{cases} \frac{1}{2}1 \\ 2 \end{cases}$	$\begin{cases} 122 \\ 221 \end{cases}$	$\begin{cases} 26^\circ 34' \\ 45^\circ 00' \end{cases}$	$\begin{cases} 48^\circ 11' \\ 70^\circ 31' \end{cases}$	$\begin{cases} 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 45^\circ 00' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 19^\circ 28' \\ 41^\circ 48' \end{cases}$	$\begin{cases} 41^\circ 48' \\ " \end{cases}$	$\begin{cases} 0^\circ 5000 \\ 2^\circ 0000 \end{cases}$	$\begin{cases} 1^\circ 0000 \\ 2^\circ 0000 \end{cases}$	$\begin{cases} 1^\circ 1180 \\ 2^\circ 8284 \end{cases}$
12	Y	$\begin{cases} \frac{1}{6}\frac{1}{3} \\ \frac{1}{2}3 \\ 26 \end{cases}$	$\begin{cases} 126 \\ 162 \\ 261 \end{cases}$	$\begin{cases} 26^\circ 34' \\ 9^\circ 27' \\ 18^\circ 26' \end{cases}$	$\begin{cases} 20^\circ 26' \\ 71^\circ 48' \\ 81^\circ 01' \end{cases}$	$\begin{cases} 9^\circ 27' \\ 26^\circ 34' \\ 63^\circ 26' \end{cases}$	$\begin{cases} 18^\circ 26' \\ 71^\circ 34' \\ 80^\circ 32' \end{cases}$	$\begin{cases} 8^\circ 59' \\ " \\ 18^\circ 12' \end{cases}$	$\begin{cases} 18^\circ 12' \\ 69^\circ 33' \\ " \end{cases}$	$\begin{cases} 0^\circ 1667 \\ 0^\circ 5000 \\ 2^\circ 0000 \end{cases}$	$\begin{cases} 0^\circ 3333 \\ 3^\circ 0000 \\ 6^\circ 0000 \end{cases}$	$\begin{cases} 0^\circ 3727 \\ 3^\circ 0413 \\ 6^\circ 3246 \end{cases}$

Uranophan.**Rhomblisch.**

$a = 0.3075$	$\lg a = 948534$	$\lg a_0 = 948534$	$\lg p_0 = 051466$	$a_0 = 0.3075$	$p_0 = 3.271$
$c = 1.00$	$\lg c = 0$	$\lg b_0 = 0$	$\lg q_0 = 0$	$b_0 = 1.00$	$q_0 = 1.00$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	b	0 ∞	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	m	∞	110	73 00	"	90 00	"	73 00	17 00	3.2710	"	"
3	e	01	011	0 00	45 00	0 00	45 00	0 00	45 00	0	1.0000	1.0000

Uranospinit.**Rhomblisch.**

$a = 1.00$	$\lg a = 0$	$\lg a_0 = 983681$	$\lg p_0 = 016319$	$a_0 = 0.6868$	$p_0 = 1.4561$
$c = 1.4561$	$\lg c = 016319$	$\lg b_0 = 983681$	$\lg q_0 = 016319$	$b_0 = 0.6868$	$q_0 = 1.4561$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	x	01	011	0° 00	55 31	"	55 31	"	55 31	"	1.4561	1.4561
3	q	$\frac{1}{2}0$	105	90 00	16 14	16 14	0 00	16 14	0 00	0.2912	0	0.2912
4	y	10	101	"	55 31	55 31	"	55 31	"	1.4561	"	1.4561
5	r	20	201	"	71 03	71 03	"	71 03	"	2.9122	"	2.9122

Uranothallit.**Rhomblisch.**

$a = 0.9539$	$\lg a = 997950$	$\lg a_0 = 008596$	$\lg p_0 = 991404$	$a_0 = 1.2189$	$p_0 = 0.8204$
$c = 0.7826$	$\lg c = 989354$	$\lg b_0 = 010646$	$\lg q_0 = 989354$	$b_0 = 1.2778$	$q_0 = 0.7826$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
4	n	$\infty\frac{3}{2}$	230	34° 57	90° 00	90° 00	90° 00	34° 57	55° 03	0.6989	∞	∞
5	m	∞	110	46 21	"	"	"	46 21	43 39	1.0483	"	"
6	o	2 ∞	210	64 30	"	"	"	64 30	25 30	2.0967	"	"
7	d	01	011	0 00	38 03	0 00	38 03	0 00	38 03	0	0.7826	0.7826
8	p	1	111	46 21	48 35	39 22	"	32 52	31 10	0.8204	"	1.1338
9	?u	1 $\frac{1}{2}$	343	38 10	53 00	"	46 13	29 35	38 53	"	1.0435	1.3274
10	?s	1 $\frac{3}{2}$	232	34 57	55 04	"	49 34	28 01	42 13	"	1.1739	1.4322
11	r	12	121	27 40	60 30	"	57 25	23 50	50 26	"	1.5652	1.7672
12	q	14	141	14 41	72 50	"	72 17	14 01	67 33	"	3.1304	3.2362
13	t	31	311	72 21	68 50	67 53	38 03	62 42	16 25	2.4613	0.7826	2.5827

Uranpecherz.

Regulär.

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0° 00 \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$
2	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} " \\ 45 00 \end{cases}$	$\begin{cases} 45 00 \\ 90 00 \end{cases}$	$\begin{cases} " \\ 90 00 \end{cases}$	$\begin{cases} 45 00 \\ 90 00 \end{cases}$	$\begin{cases} " \\ 45 00 \end{cases}$	$\begin{cases} 45 00 \\ " \end{cases}$	$\begin{cases} " \\ 1.0000 \end{cases}$	$\begin{cases} 1.0000 \\ \infty \end{cases}$	$\begin{cases} 1.0000 \\ \infty \end{cases}$
3	p	1	111	"	54 44	45 00	45 00	35 16	35 16	"	1.0000	1.4142

Utahit.

Hexagonal. Rhomboedrisch-hemiedrisch.

$$c = 1.1389 \quad \lg c = 0.05648 \quad \lg a_0 = 0.18208 \quad \lg p_0 = 0.88039 \quad a_0 = 1.5208 \quad p_0 = 0.7593 \quad (G_2)$$

N ^o .	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	∞	1120	30° 00	90 00	90 00	90 00	30 00	60 00	0.5773	∞	∞
3	p	1	1121	"	52 45	33 19	48 43	23 27	43 34	0.6575	1.1389	1.3151

Valentinit.

Rhombisch.

$a = 0.785$	$\lg a = 989487$	$\lg a_0 = 974442$	$\lg p_0 = 025558$	$a_0 = 0.5552$	$p_0 = 1.801$
$c = 1.414$	$\lg c = 015045$	$\lg b_0 = 984955$	$\lg q_0 = 015045$	$b_0 = 0.7072$	$q_0 = 1.414$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	b	0∞	010	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	0	∞	∞
2	a	$\infty 0$	100	$90^\circ 00'$	"	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	∞	0	"
3	π	6∞	610	$82^\circ 33'$	"	"	$90^\circ 00'$	$82^\circ 33'$	$7^\circ 27'$	7.6433	∞	"
4	m	4∞	410	$78^\circ 54'$	"	"	"	$78^\circ 54'$	$11^\circ 06'$	5.0955	"	"
5	p	2∞	210	$68^\circ 34'$	"	"	"	$68^\circ 34'$	$21^\circ 26'$	2.5478	"	"
6	t	04	041	$0^\circ 00'$	$79^\circ 58'$	$0^\circ 00'$	$79^\circ 58'$	$0^\circ 00'$	$79^\circ 58'$	0	5.6560	5.6560
7	s	$0\frac{4}{3}$	043	"	$62^\circ 03'$	"	$62^\circ 03'$	"	$62^\circ 03'$	"	1.8853	1.8853
8	e	$0\frac{8}{3}$	098	"	$57^\circ 51'$	"	$57^\circ 51'$	"	$57^\circ 51'$	"	1.5907	1.5907
9	r	01	011	"	$54^\circ 44'$	"	$54^\circ 44'$	"	$54^\circ 44'$	"	1.4140	1.4140
10	q	$0\frac{1}{2}$	012	"	$35^\circ 15'$	"	$35^\circ 15'$	"	$35^\circ 15'$	"	0.7070	0.7070
11	k	$0\frac{1}{3}$	013	"	$25^\circ 14'$	"	$25^\circ 14'$	"	$25^\circ 14'$	"	0.4713	0.4713
12	l	$0\frac{1}{4}$	014	"	$19^\circ 28'$	"	$19^\circ 28'$	"	$19^\circ 28'$	"	0.3535	0.3535
13	? ξ	$\frac{1}{3}0$	103	$90^\circ 00'$	$30^\circ 59'$	$30^\circ 59'$	$0^\circ 00'$	$30^\circ 59'$	$0^\circ 00'$	0.6004	0	0.6004
14	ε	$\frac{1}{2}0$	102	"	$42^\circ 00'$	$42^\circ 00'$	"	$42^\circ 00'$	"	0.9006	"	0.9006
15	? v	$\frac{1}{2}$	113	$51^\circ 52'$	$37^\circ 21'$	$30^\circ 59'$	$25^\circ 14'$	$28^\circ 30'$	$22^\circ 00'$	0.6004	0.4713	0.7633
16	y	2	221	"	$77^\circ 41'$	$74^\circ 28'$	$70^\circ 31'$	$50^\circ 13'$	$37^\circ 06'$	3.6026	2.8280	4.5799

Vanadinit.

Hexagonal. Pyramidal-hemiedrisch.

$c = 1.2335$	$\lg c = 009114$	$\lg a_0 = 014742$	$\lg p_0 = 991505$	$a_0 = 1.4042$	$p_0 = 0.8223$	(G_1)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	c	0	0001	—	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	$0^\circ 00'$	0	0	0
2	a	$\infty 0$	1010	$0^\circ 00'$	$90^\circ 00'$	"	$90^\circ 00'$	"	$90^\circ 00'$	"	∞	∞
3	b	∞	1120	$30^\circ 00'$	"	$90^\circ 00'$	"	$30^\circ 00'$	$60^\circ 00'$	0.5773	"	"
4	h	2∞	2130	$19^\circ 06'$	"	"	"	$19^\circ 06'$	$70^\circ 53'$	0.3464	"	"
5	σ	$\frac{1}{3}0$	1013	$0^\circ 00'$	$15^\circ 20'$	$0^\circ 00'$	$15^\circ 20'$	$0^\circ 00'$	$15^\circ 20'$	0	0.2741	0.2741
6	r	$\frac{1}{2}0$	1012	"	$22^\circ 21'$	"	$22^\circ 21'$	"	$22^\circ 21'$	"	0.4112	0.4112
7	x	10	1011	"	$39^\circ 26'$	"	$39^\circ 26'$	"	$39^\circ 26'$	"	0.8223	0.8223
8	y	20	2021	"	$58^\circ 42'$	"	$58^\circ 42'$	"	$58^\circ 42'$	"	1.6447	1.6447
9	? q	$\frac{2}{3}0$	5052	"	$64^\circ 03'$	"	$64^\circ 03'$	"	$64^\circ 03'$	"	2.0559	2.0559
10	z	$\frac{3}{2}0$	3031	"	$67^\circ 56'$	"	$67^\circ 56'$	"	$67^\circ 56'$	"	2.4670	2.4670
11	v	$\frac{1}{2}$	1122	$30^\circ 00'$	$35^\circ 27'$	$19^\circ 36'$	$31^\circ 40'$	$16^\circ 51'$	$30^\circ 09'$	0.3561	0.6168	0.7122
12	s	1	1121	"	$54^\circ 55'$	$35^\circ 27'$	$50^\circ 58'$	$24^\circ 09'$	$45^\circ 08'$	0.7122	1.2335	1.4243
13	m	21	2131	$19^\circ 06'$	$65^\circ 19'$	"	$64^\circ 03'$	$17^\circ 18'$	$59^\circ 09'$	"	2.0558	2.1757

Variscit.

Rhomhisch.

$$\lg \frac{p_0}{q_0} = 018831; \frac{p_0}{q_0} = 1.5428; \frac{a}{b} = 0.648$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	o	001	—	0°00	0°00	0°00	0°00	0°00	o	o	o
2	b	o ∞	010	0°00	90°00	"	90°00	"	90°00	"	∞	∞
3	a	∞ o	100	90°00	"	90°00	o°00	90°00	o°00	∞	o	"
4	m	∞	110	57°03	"	"	90°00	57°03	32°57	1.5428	∞	"

Vauquelinit.

Monoklin.

a = 1.4918	lga = 017371	lga ₀ = 002671	lg p ₀ = 997329	a ₀ = 1.0634	p ₀ = 0.9403
c = 1.4028	lg c = 014700	lg b ₀ = 985300	lg q ₀ = 011952	b ₀ = 0.7128	q ₀ = 1.3168
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 69^\circ 50'$	lgh = 997252 lg sin μ	lge = 953751 lg cos μ	lg $\frac{p_0}{q_0}$ = 985377	h = 0.9387	e = 0.3448

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	c	o	001	90°00	20°10	20°10	0°00	20°10	0°00	0.3672	o	0.3672
2	b	∞ o	100	"	90°00	90°00	"	90°00	"	∞	"	∞
3	s	8 ∞	810	80°04'	"	"	90°00	80°04'	9°55'	5.7130	∞	"
4	z	3 ∞	310	64°58'	"	"	"	64°58'	25°01'	2.1423	"	"
5	m	2 ∞	210	55°00	"	"	"	55°00	35°00	1.4282	"	"
6	f	∞	110	35°32'	"	"	"	35°32'	54°28'	0.7141	"	"
7	d	01	011	14°40'	55°24'	20°10	54°31'	12°02'	52°47'	0.3672	1.4028	1.4501
8	x	$\frac{1}{2}$ o	302	90°00	61°52'	61°52'	0°00	61°52'	0°00	1.8699	o	1.8699
9	e	$\frac{1}{2}$ 10	101	"	53°51'	53°51'	"	53°51'	"	1.3690	"	1.3690
10	n	—10	101	90°00	32°23'	32°23'	"	32°23'	"	0.6344	"	0.6344
11	p	$\frac{1}{2}$ o	302	"	48°37'	48°37'	"	48°37'	"	1.1352	"	1.1352
12	h	—20	201	"	58°34'	58°34'	"	58°34'	"	1.6361	"	1.6361
13	y	$\frac{1}{3}$ $\frac{2}{3}$	123	2°03'	43°06'	1°55'	43°05'	1°24'	43°04'	0.0334	0.9352	0.9358

Veszelyit.

Triklin.

$p_0 = 1.2863$	$\lambda = 89^\circ 24'$	$a = 0.7101$	$\alpha = 90^\circ 29'$	$x_0 = 0.2390$	$d = 0.2392$
$q_0 = 0.8871$	$\mu = 76^\circ 10'$	$b = 1$	$\beta = 103^\circ 50'$	$y_0 = 0.0105$	$\delta = 87^\circ 30'$
$r_0 = 1$	$\nu = 89^\circ 26'$	$c = 0.9134$	$\gamma = 90^\circ 26'$	$h = 0.9710$	

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
1	c	0	001	87° 29'	13° 50'	13° 49'	0° 37'	13° 49'	0° 36'	0.2461	0.0105	0.2464
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	89 26	"	90 00	"	89 26	0 34	101.11	"	"
4	e	∞	110	55 01'	"	"	"	55 01'	34 58'	1.4294	"	"
5	ε	$\infty \infty$	110	124 12'	"	"	"	55 47'	34 12'	1.4710	"	"
6	m	01	011	14 54'	43 44	13 49'	42 45	10 15	41 54'	0.2461	0.9244	0.9566
7	M	01	011	164 45	43 06	"	42 04'	10 21'	41 14'	"	0.9028	0.9358
8	δ	20	201	90 22	67 24'	67 24'	0 52'	67 24'	0 20'	2.4032	0.0153	2.4032
9	σ	12	121	30 35	64 45	47 10	61 17	27 23'	51 08	1.0785	1.8251	2.1199

Vivianit.

Monoklin.

$a = 0.7498$	$\lg a = 987495$	$\lg a_0 = 002880$	$\lg p_0 = 997120$	$a_0 = 10.686$	$p_0 = 0.9358$
$c = 0.7017$	$\lg c = 984615$	$\lg b_0 = 015385$	$\lg q_0 = 983222$	$b_0 = 1.4251$	$q_0 = 0.6795$
$\mu = \frac{1}{180 - \beta} \} 75^\circ 34'$	$\lg h = \} 998607$	$\lg e = \} 939664$	$\lg \frac{p_0}{q_0} = 013898$	$h = 0.9684$	$e = 0.2493$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
1	c	0	001	90° 00'	14° 26'	14° 26'	0° 00'	14° 26'	0° 00'	0.2573	0	0.2573
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	$\infty 0$	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	y	3 ∞	310	76 23'	"	"	"	76 23'	13 36'	4.1314	∞	"
5	m	∞	110	54 01'	"	"	"	54 01'	35 59'	1.3771	"	"
6	g	0 $\frac{1}{2}$	012	36 16	23 31'	14 26	19 20	13 39	18 46	0.2573	0.3508	0.4351

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
7	d	0 $\frac{2}{3}$	023	28° 49'	28° 06'	14° 26'	25° 04'	13° 07'	24° 22'	0° 2573	0° 4678	0° 5339
8	e	01	011	20 08'	36 46'	"	35 03'	11 54'	34 12'	"	0° 7017	0° 7474
9	k	+40	401	90 00	76 22'	76 22'	0 00	76 22'	0 00	4° 1226'	0	4° 1226'
10	n	+10	101	"	50 45'	50 45'	"	50 45'	"	1° 2237	"	1° 2237
11	B	+ $\frac{1}{2}$ 0	102	"	36 31'	36 31'	"	36 31'	"	0° 7406	"	0° 7406
12	A	+ $\frac{1}{3}$ 0	109	"	20 02'	20 02'	"	20 02'	"	0° 3647	"	0° 3647
13	o	- $\frac{1}{3}$ 0	103	90 00	3 42'	3 42'	"	3 42'	"	0° 0646'	"	0° 0646'
14	w	-10	101	"	35 20'	35 20'	"	35 20'	"	0° 7089	"	0° 7089
15	γ	- $\frac{2}{3}$ 0	704	"	55 06'	55 06'	"	55 06'	"	1° 4336	"	1° 4336
16	t	-20	201	"	59 10'	59 10'	"	59 10'	"	1° 6752	"	1° 6752
17	l	-40	401	"	74 31'	74 31'	"	74 31'	"	3° 6086	"	3° 6086
18	x	+1	111	60 10'	54 40'	50 45'	35 03'	45 03'	23 56'	1° 2237	0° 7017	1° 4106
19	z	+ $\frac{1}{2}$	112	64 39'	39 20'	36 31'	19 20'	34 57'	15 45'	0° 7406	0° 3508	0° 8195
20	r	- $\frac{1}{2}$	112	32 45'	22 39'	12 43'	"	12 01'	18 53'	0° 2257	"	0° 4172
21	v	-1	111	45 17'	44 55'	35 20'	35 03'	30 07'	29 47'	0° 7089	0° 7017	0° 9974
22	s	-13	131	18 36'	65 46'	"	64 35'	16 55'	59 47'	"	2° 1051	2° 2263
23	i	- $\frac{8}{3}$ 1	833	73 10'	67 34'	66 40'	35 03'	62 13'	15 31'	2° 2455	0° 7017	2° 4231
24	q	- $\frac{1}{2}$ $\frac{2}{3}$	132	12 06'	47 06'	12 43'	46 28'	8 50'	45 45'	0° 2257	1° 0525	1° 0765
25	α	+ $\frac{4}{3}$ $\frac{1}{2}$	836	77 13'	57 45'	57 06'	19 20'	55 34'	10 47'	1° 5458	0° 3508	1° 5851
26	β	+ $\frac{3}{4}$ $\frac{5}{8}$	3° 5' 14"	61 39'	27 49'	24 55'	14 04'	24 15'	12 48'	0° 4644'	0° 2506	0° 5278

Voltait.

Regulär.

No.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	$\left\{ \begin{array}{l} 0 \\ 0\infty \end{array} \right.$	$\left\{ \begin{array}{l} 001 \\ 010 \end{array} \right.$	$\left\{ \begin{array}{l} - \\ 0^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 0 \\ \infty \end{array} \right.$
2	d	$\left\{ \begin{array}{l} 01 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 011 \\ 110 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 45^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00' \\ 90^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 45^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 45^\circ 00' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 1^\circ 0000 \end{array} \right.$	$\left\{ \begin{array}{l} 1^\circ 0000 \\ \infty \end{array} \right.$	$\left\{ \begin{array}{l} 1^\circ 0000 \\ \infty \end{array} \right.$
3	q	$\left\{ \begin{array}{l} \frac{1}{2} \\ 12 \end{array} \right.$	$\left\{ \begin{array}{l} 112 \\ 121 \end{array} \right.$	$\left\{ \begin{array}{l} " \\ 26^\circ 34' \end{array} \right.$	$\left\{ \begin{array}{l} 35^\circ 16' \\ 65^\circ 54' \end{array} \right.$	$\left\{ \begin{array}{l} 26^\circ 34' \\ 45^\circ 00' \end{array} \right.$	$\left\{ \begin{array}{l} 26^\circ 34' \\ 63^\circ 26' \end{array} \right.$	$\left\{ \begin{array}{l} 24^\circ 05' \\ " \end{array} \right.$	$\left\{ \begin{array}{l} 24^\circ 05' \\ 54^\circ 44' \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 5000 \\ 1^\circ 0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 5000 \\ 2^\circ 0000 \end{array} \right.$	$\left\{ \begin{array}{l} 0^\circ 7071 \\ 2^\circ 2360 \end{array} \right.$
4	p	I	111	45° 00'	54° 44'	"	45° 00'	35° 16'	35° 16'	"	1° 0000	1° 4142

Wagnerit-Kjerulfin.

Monoklin.

a = 0.9569	lg a = 998087	lg a ₀ = 010425	lg p ₀ = 989575	a ₀ = 1.2713	p ₀ = 0.7866
c = 0.7527	lg c = 987662	lg b ₀ = 012338	lg q ₀ = 985454	b ₀ = 1.3286	q ₀ = 0.7154
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 71^{\circ}53'$	$\left. \begin{matrix} \lg h \\ \lg \sin \mu \end{matrix} \right\} 997792$	$\left. \begin{matrix} \lg e \\ \lg \cos \mu \end{matrix} \right\} 949269$	$\lg \frac{p_0}{q_0} = 004021$	h = 0.9504	e = 0.3110

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x'}{(Prismen)} (x:y)$	y'	$d' = \operatorname{tg} \varrho$
1	c	0	001	90° 00	18° 07	18° 07	0° 00	18° 07	0° 00	0.3272	0	0.3272
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	l	2∞	210	65 30	"	"	90 00	65 30	24 30	2.1940	∞	"
5	h	$\frac{3}{2}\infty$	320	58 43	"	"	"	58 43	31 17	1.6455	"	"
6	m	∞	110	47 39	"	"	"	47 39	42 21	1.0970	"	"
7	λ	$\infty\frac{3}{2}$	230	36 11	"	"	"	36 11	53 49	0.7313	"	"
8	v	$\infty\frac{7}{4}$	470	32 05	"	"	"	32 05	57 55	0.6268	"	"
9	g	∞2	120	28 45	"	"	"	28 45	61 15	0.5485	"	"
10	δ	$\infty\frac{5}{2}$	250	23 41	"	"	"	23 41	66 18	0.4388	"	"
11	γ	∞4	140	15 20	"	"	"	15 20	74 40	0.2742	"	"
12	t	0 $\frac{1}{2}$	012	41 00	26 30	18 07	20 37	17 01	19 41	0.3272	0.3763	0.4987
13	r	01	011	23 29	39 22	"	36 58	14 39	35 34	"	0.7527	0.8207
14	f	0 $\frac{3}{2}$	032	16 09	49 36	"	48 28	12 14	47 01	"	1.1290	1.1755
15	e	02	021	12 15	57 00	"	56 24	10 15	55 03	"	1.5053	1.5405
16	π	+10	101	90 00	49 06	49 06	0 00	49 06	0 00	1.1548	0	1.1548
17	w	-10	101	90 00	26 35	26 35	"	26 35	"	0.5004	"	0.5004
18	y	-20	201	"	53 01	53 01	"	53 01	"	1.3284	"	1.3284
19	q	-30	301	"	65 06	65 06	"	65 06	"	2.1556	"	2.1556
20	v	+ $\frac{1}{2}$ 1	122	44 33	46 34	36 32	36 58	30 37	31 10	0.7410	0.7527	1.0563
21	s	+1	111	56 54	54 02	49 06	"	42 42	26 14	1.1548	"	1.3722
22	z	-1	111	33 37	42 06	26 35	"	21 47	33 56	0.5004	"	0.9039
23	i	- $\frac{1}{2}$ 1	122	6 34	37 09	4 57	"	3 58	36 52	0.0866	"	0.7576
24	x	-1 $\frac{1}{2}$	212	53 03	32 03	26 35	20 37	25 06	18 36	0.5004	0.3763	0.6261
25	o	+2	221	52 47	68 07	63 14	56 24	47 39	34 08	1.9825	1.5054	2.4892
26	n	- $\frac{1}{2}$	112	12 57	21 07	4 57	20 37	4 38	20 33	0.0866	0.3763	0.3862
27	u	-2	221	41 25	63 31	53 01	56 24	36 18	42 09	1.3280	1.5054	2.0075
28	d	- $\frac{3}{4}$ $\frac{1}{2}$	314	57 20	19 13	16 21	10 39	16 05	10 14	0.2935	0.1881	0.3487

Wapplerit.

Monoklin. (?)

$a = 0.4562$	$\lg a = 965916$	$\lg a_0 = 023428$	$\lg p_0 = 976572$	$a_0 = 1.7151$	$p_0 = 0.5831$
$c = 0.2660$	$\lg c = 942488$	$\lg b_0 = 057512$	$\lg q_0 = 942294$	$b_0 = 3.7594$	$q_0 = 0.2648$
$\mu = \left. \begin{matrix} 180 \\ \beta \end{matrix} \right\} 84.35$	$\lg h = \left. \begin{matrix} 999806 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 897496 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 034278$	$h = 0.9956$	$e = 0.0944$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' =tg ϱ
1	b	0∞	010	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	0	∞	∞
2	a	$\infty 0$	100	$90^\circ 00'$	"	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	∞	0	"
3	n	∞	110	$65^\circ 34'$	"	"	$90^\circ 00'$	$65^\circ 34'$	$24^\circ 25'$	2.2018	∞	"
4	m	$\infty 2$	120	$47^\circ 45'$	"	"	"	$47^\circ 45'$	$42^\circ 15'$	1.1009	"	"
5	l	$\infty 4$	140	$28^\circ 50'$	"	"	"	$28^\circ 50'$	$61^\circ 10'$	0.5505	"	"
6	d	01	011	$19^\circ 37'$	$15^\circ 46'$	$5^\circ 25'$	$14^\circ 54'$	$5^\circ 14'$	$14^\circ 50'$	0.0948	0.2660	0.2824
7	t	03	031	$6^\circ 46'$	$38^\circ 47'$	"	$38^\circ 35'$	$4^\circ 14'$	$38^\circ 28'$	"	0.7980	0.8036
8	p	+1	111	$68^\circ 39'$	$36^\circ 09'$	$34^\circ 14'$	$14^\circ 54'$	$33^\circ 20'$	$12^\circ 24'$	0.6805	0.2660	0.7307
9	π	-1	111	$61^\circ 33'$	$29^\circ 10'$	$26^\circ 09'$	"	$25^\circ 22'$	$13^\circ 26'$	0.4909	"	0.5583
10	g	+13	131	$40^\circ 27'$	$46^\circ 22'$	$34^\circ 14'$	$38^\circ 35'$	$28^\circ 00'$	$33^\circ 25'$	0.6805	0.7980	1.0488
11	e	+15	151	$27^\circ 06'$	$56^\circ 12'$	"	$53^\circ 03'$	$22^\circ 14'$	$47^\circ 43'$	"	1.3300	1.4941
12	f	+17	171	$20^\circ 04'$	$63^\circ 14'$	"	$61^\circ 45'$	$17^\circ 51'$	$56^\circ 59'$	"	1.8620	1.9825
13	o	+21	211	$78^\circ 08'$	$52^\circ 18'$	$51^\circ 42'$	$14^\circ 54'$	$50^\circ 44'$	$9^\circ 22'$	1.2663	0.2660	1.2939
14	ω	-21	211	$76^\circ 07'$	$47^\circ 57'$	$47^\circ 06'$	"	$46^\circ 08'$	$10^\circ 15'$	1.0766	"	1.1090

Wavellit.

Rhombisch.

$a = 0.5049$	$\lg a = 970321$	$\lg a_0 = 012906$	$\lg p_0 = 987094$	$a_0 = 1.3460$	$p_0 = 0.7429$
$c = 0.3751$	$\lg c = 957415$	$\lg b_0 = 042585$	$\lg q_0 = 957415$	$b_0 = 2.6660$	$q_0 = 0.3751$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	a	0∞	010	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	$0^\circ 00'$	$90^\circ 00'$	0	∞	∞
2	m	∞	110	$63^\circ 13'$	"	$90^\circ 00'$	"	$63^\circ 13'$	$26^\circ 47'$	1.9806	"	"
3	n	$\infty \frac{4}{3}$	340	$56^\circ 02'$	"	"	"	$56^\circ 02'$	$33^\circ 57'$	1.4854	"	"
4	p	10	101	$90^\circ 00'$	$36^\circ 36'$	$36^\circ 36'$	$0^\circ 00'$	$36^\circ 36'$	$0^\circ 00'$	0.7429	0	0.7429
5	s	1	111	$63^\circ 12'$	$39^\circ 46'$	"	$20^\circ 33'$	$34^\circ 49'$	$16^\circ 45'$	"	0.3751	0.8322
6	o	12	120	$44^\circ 43'$	$46^\circ 33'$	"	$36^\circ 52'$	$30^\circ 43'$	$31^\circ 03'$	"	0.7502	1.0558

Whewellit.**Monoklin.**

$a = 0.8696$	$\lg a = 993932$	$\lg a_0 = 980276$	$\lg p_0 = 019724$	$a_0 = 0.6350$	$p_0 = 1.5748$
$c = 1.3695$	$\lg c = 013656$	$\lg b_0 = 986344$	$\lg q_0 = 011645$	$b_0 = 0.7302$	$q_0 = 1.3075$
$\mu = \left. \begin{matrix} 180 - \beta \\ 72^\circ 42' \end{matrix} \right\}$	$\lg h = \left. \begin{matrix} 997989 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 947330 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 008079$	$h = 0.9547$	$e = 0.2974$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = $\operatorname{tg} \varrho$
1	c	0	001	90° 00	17° 18	17° 18	0° 00	17° 18	0° 00	0.3114	0	0.3114
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	m	∞	110	50 18	"	90 00	"	50 18	39 42	1.2044	"	"
4	u	∞2	120	31 03'	"	"	"	31 03'	58 56'	0.6022	"	"
5	l	∞3	130	21 52'	"	"	"	21 52'	68 07'	0.4014	"	"
6	z	0 $\frac{1}{2}$	014	42 17'	24 50	17 18	18 54	16 25	18 06	0.3114	0.3423	0.4628
7	y	0 $\frac{1}{2}$	012	24 27'	36 57	"	34 24	14 24'	33 10'	"	0.6847	0.7523
8	x	01	011	12 49	54 33	"	53 52	10 24'	52 35'	"	1.3695	1.4045
9	k	+ $\frac{1}{2}$ 0	102	90 00	48 39	48 39	0 00	48 39	0 00	1.1362	0	1.1362
10	e	-10	101	90 00	53 51'	53 51'	"	53 51'	"	1.3691	"	1.3691
11	f	+ $\frac{1}{2}$	112	58 55'	52 59'	48 39	34 24	43 09	24 20'	1.1362	0.6847	1.3266
12	s	- $\frac{1}{2}$ $\frac{3}{2}$	132	14 01'	64 43	37 10	64 02'	12 39'	61 19	0.5132	2.0542	2.1175

Willemitt (Troostit).**Hexagonal. Rhomboedrisch-hemiedrisch.**

$c = 0.6695$	$\lg c = 982575$	$\lg a_0 = 041281$	$\lg p_0 = 964966$	$a_0 = 2.5871$	$p_0 = 0.4463$	(G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = $\operatorname{tg} \varrho$
1	c	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	∞0	1010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	θ	4∞	4150	10 53'	"	90 00	"	10 53'	79 06'	0.1924	"	"
4	π	10	1011	0 00	24 03	0 00	24 03	0 00	24 03	0	0.4463	0.4463
5	δ	- $\frac{1}{2}$	1122	30 00	21 08	10 56'	18 30'	10 23	18 11'	0.1933	0.3347	0.3865
6	ρ	+ $\frac{3}{2}$	3364	"	30 06'	16 10	26 39'	14 31'	25 45	0.2899	0.5021	0.5798
7	p' x'	+1	1121	"	37 42'	21 08	33 48	17 48'	31 59	0.3865	0.7731	0.7731
8	z	- $\frac{4}{3}$	4155	10 53'	22 15	4 25	21 53	4 06	21 49'	0.0773	0.4017	4.0908
9	K	+41	4151	"	63 56'	21 08	63 32	9 46'	61 54	0.3865	2.0085	2.0454

Wismuth.

Hexagonal. Rhomboedrisch-hemiedrisch.

$c = 1.3035$	$\lg c = 0.11511$	$\lg a_0 = 0.12345$	$\lg p_0 = 993902$	$a_0 = 1.3288$	$p_0 = 0.8690$	(G_2)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	o	o	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	δ	$-\frac{1}{2}$	1122	30° 00	36 58	20 37	33 05	17 30	31 23	0.3763	0.6517	0.7526
3	η	$-\frac{4}{3}$	4485	"	50 17	31 03	46 12	22 37	41 46	0.6020	1.0428	1.2041
4	p, π	$+\frac{1}{3}$	1121	"	56 24	36 58	52 30	24 36	46 10	0.7526	1.3035	1.5051
5	φ	-2	2241	"	71 37	56 24	69 01	28 19	55 16	1.5051	2.6070	3.0103

Wismuthglanz.

Rhomboisch.

$a = 0.9679$	$\lg a = 998583$	$\lg a_0 = 999239$	$\lg p_0 = 000761$	$a_0 = 0.9826$	$p_0 = 1.0177$
$c = 0.9850$	$\lg c = 999344$	$\lg b_0 = 000656$	$\lg q_0 = 999344$	$b_0 = 1.0155$	$q_0 = 0.9850$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d =tg ϱ
1	c	o	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	o	o	o
2	b	o ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞ 0	100	90 00	"	90 00	0 00	90 00	0 00	∞	o	"
4	d	∞ 4	140	14 29	"	"	90 00	14 29	75 31	0.2583	∞	"
5	e	∞ 3	130	19 00	"	"	"	19 00	71 00	0.3444	"	"
6	f	∞ 2	120	27 19	"	"	"	27 19	62 41	0.5166	"	"
7	m	∞	110	45 56	"	"	"	45 56	44 04	1.0332	"	"
8	n	4 ∞	410	76 24	"	"	"	76 24	13 36	4.1326	"	"
9	r	10	101	90 00	45 30	45 30	0 00	45 30	0 00	1.0177	o	1.0177

Witherit.

Rhombisch.

a = 0.6032	lg a = 978046	lg a ₀ = 991702	lg p ₀ = 008298	a ₀ = 0.8261	p ₀ = 1.2105
c = 0.7302	lg c = 986344	lg b ₀ = 013656	lg q ₀ = 986344	b ₀ = 1.3695	q ₀ = 0.7302

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	B	∞3	130	28 55'	"	90 00	"	28 55'	61 04'	0.5526	"	"
4	m	∞	110	58 54'	"	"	"	58 54'	31 06'	1.6578	"	"
5	A	0 $\frac{1}{2}$	014	0 00	10 20'	0 00	10 20'	0 00	10 20'	0	0.1825	0.1825
6	x	0 $\frac{1}{2}$	012	"	20 03'	"	20 03'	"	20 03'	"	0.3651	0.3651
7	k	01	011	"	36 08	"	36 08	"	36 08	"	0.7302	0.7302
8	i	02	021	"	55 36	"	55 36	"	55 36	"	1.4604	1.4604
9	v	03	031	"	65 28	"	65 28	"	65 28	"	2.1906	2.1906
10	h	04	041	"	71 06	"	71 06	"	71 06	"	2.9208	2.9208
11	G	$\frac{1}{8}$	118	58 54'	10 01'	8 36'	5 13	8 34	5 09'	0.1478	0.0912	0.1767
12	F	$\frac{1}{2}$	114	"	19 28	16 50	10 20'	16 35	9 54'	0.3026	0.1825	0.3534
13	o	$\frac{1}{2}$	112	"	35 15'	31 11	20 03'	29 37'	17 21	0.6052	0.3651	0.7069
14	p	1	111	"	54 43'	50 26'	36 08	44 21	24 56'	1.2105	0.7302	1.4137
15	D	$\frac{3}{2}$	332	"	64 45	61 09'	47 36	50 45'	27 51	1.8158	1.0953	2.1205
16	C	2	221	"	70 31'	67 33'	55 36	53 50	29 08'	2.4211	1.4604	2.8274

Wöhlerit.

Monoklin.

a = 1.0544	lg a = 002300	lg a ₀ = 017235	lg p ₀ = 982765	a ₀ = 1.4871	p ₀ = 0.6724
c = 0.7090	lg c = 985065	lg b ₀ = 004935	lg q ₀ = 982606	b ₀ = 1.1203	q ₀ = 0.6700
$\mu = \left. \begin{matrix} 180^\circ - \beta \\ 70^\circ 54' \end{matrix} \right\}$	$\left. \begin{matrix} \lg h \\ \lg \sin \mu \end{matrix} \right\} 997541$	$\left. \begin{matrix} \lg e \\ \lg \cos \mu \end{matrix} \right\} 951484$	$\lg \frac{p_0}{q_0} = 000159$	h = 0.9449	e = 0.3272

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X' (Prismen) (x : y)	y'	d' = tge
1	c	0	001	90° 00	19° 06	19° 06	0° 00	19° 06	0° 00	0.3462	0	0.3462
2	b	0∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	l	$\frac{7}{2}\infty$	720	74 06'	"	"	90 00	74 06'	15 53'	3.5128	∞	"
5	n	2∞	210	63 31'	"	"	"	63 31'	26 29	2.0073	"	"
6	m	∞	110	45 06'	"	"	"	45 06'	44 53'	1.0038	"	"
7	g	∞2	120	26 39	"	"	"	26 39	63 21	0.5018	"	"
8	h	∞3	130	18 30	"	"	"	18 30	71 30	0.3345	"	"
9	x	0 $\frac{1}{2}$	012	44 19'	26 21'	19 06	19 31	18 04'	18 31	0.3462	0.3545	0.4956

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
10	o	01	011	26° 02'	38° 16'	19° 06'	35° 20'	15° 46'	33° 49'	0'3462	0'7090	0'7890
11	f	02	021	13 43'	55 35'	"	54 48'	11 17'	53 16'	"	1'4180	1'4595
12	d	+10	101	90 00	46 36'	46 36'	0 00	46 36'	0 00	1'0578	0	1'0578
13	k	-10	101	90 00	20 04'	20 04'	"	20 04'	"	0'3653	"	0'3653
14	δ	-20	201	"	47 07'	47 07'	"	47 07'	"	1'0768	"	1'0768
15	p	+1	111	56 10	51 51'	46 36'	35 20'	40 47'	25 58'	1'0578	0'7090	1'2735
16	u	+31	311	74 03	68 49'	68 03'	"	63 42'	14 51'	2'4810	"	2'5803
17	π	-21	211	56 38'	52 12'	47 07'	"	41 18'	25 45'	1'0769	"	1'2894
18	s	-1	111	27 15'	38 34'	20 04'	"	16 35'	33 39'	0'3653	"	0'7976
19	i	+12	121	36 43'	60 31'	46 36'	54 48'	31 22'	44 15'	1'0578	1'4180	1'7691
20	ξ	-1 $\frac{1}{2}$	212	45 51'	26 59'	20 04'	19 31'	19 00'	18 25'	0'3653	0'3545	0'5090
21	φ	-12	121	14 27'	55 40'	"	54 48'	11 53'	53 06'	"	1'4180	1'4643
22	ω	-16	161	4 54'	76 49'	"	76 46'	4 46'	75 57'	"	4'2540	4'2697
23	j	-2	221	37 13'	60 41'	47 07'	54 48'	31 49'	43 58'	1'0769	1'4180	1'7806

Wolframit.

Monoklin.

a = 0'8255	lga = 991672	lga ₀ = 997900	lg p ₀ = 002100	a ₀ = 0'9528	p ₀ = 1'0495
c = 0'8664	lg c = 993772	lgb ₀ = 006228	lg q ₀ = 993771	b ₀ = 1'1542	q ₀ = 0'8664
$\mu = \frac{1}{180 - \beta} \frac{1}{89 \cdot 32}$	$\lg h = \frac{1}{999999}$	$\lg e = \frac{1}{791088}$	$\lg \frac{p_0}{q_0} = 008329$	h = 1'0000	e = 0'0081

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
1	c	0	001	90° 00'	0° 28'	0° 28'	0° 00'	0° 28'	0° 00'	0'0081	0	0'0081
2	b	0 ∞	010	0 00	90 00	0 00	90 00	0 00	90 00	0	∞	∞
3	a	∞	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	n	8 ∞	810	84 06'	"	"	90 00	84 06'	5 53'	9'6912'	∞	"
5	d	3 ∞	310	74 37'	"	"	"	74 37'	15 23'	3'6342'	"	"
6	Q	$\frac{8}{3}\infty$	830	72 48'	"	"	"	72 48'	17 12'	3'2304	"	"
7	l	2 ∞	210	67 34'	"	"	"	67 34'	22 25'	2'4228	"	"
8	m	∞	110	50 27'	"	"	"	50 27'	39 32'	1'2114	"	"
9	r	∞ 2	120	31 12'	"	"	"	31 12'	58 48'	0'6057	"	"
10	K	0 $\frac{2}{3}$	023	0 48'	30 01'	0 28'	30 00'	0 24'	30 00'	0'0081	0'5776	0'5777
11	f	01	011	0 32'	40 54'	"	40 54'	0 21'	40 54'	"	0'8664	0'8664
12	g	0 $\frac{2}{3}$	095	0 18'	57 20'	"	57 20'	0 15'	57 20'	"	1'5595	1'5595
13	w	02	021	0 16'	60 00'	"	60 00'	0 14'	60 00'	"	1'7328	1'7328
14	h	+10	101	90 00	46 36'	46 36'	0 00	46 36'	0 00	1'0576	0	1'0576

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x : y)	y'	d' = tge
15	y	$+\frac{1}{2}0$	102	90°00	28°03	28°03	0°00	28°03	0°00	0°5328	0	0°5328
16	q	$+\frac{1}{4}0$	103	"	19 41'	19 41'	"	19 41'	"	0°3579	"	0°3579
17	u	$+\frac{1}{4}0$	104	"	15 08	15 08	"	15 08	"	0°2704	"	0°2704
18	γ	$-\frac{1}{2}0$	101	90 00	4 59'	4 59'	"	4 59'	"	0°0873	"	0°0873
19	t	$-\frac{1}{4}0$	102	"	27 19'	27 19'	"	27 19'	"	0°5166	"	0°5166
20	δ	$-\frac{1}{4}0$	304	"	37 55	37 55	"	37 55	"	0°7790	"	0°7790
21	λ	-10	101	"	46 10	46 10	"	46 10	"	1°0414	"	1°0414
22	i	$-\frac{4}{3}0$	403	"	54 17'	54 17'	"	54 17'	"	1°3912	"	1°3912
23	k	$-\frac{1}{2}0$	502	"	69 04'	69 04'	"	69 04'	"	2°6157	"	2°6157
24	γz	$+\frac{1}{2}$	113	51 06	24 42	19 41'	16 06'	18 58'	15 18	0°3579	0°2888	0°4599
25	Δ	$+\frac{1}{2}$	112	50 53'	34 29	28 03	23 25'	26 03'	20 55'	0°5329	0°4332	0°6868
26	ω	$+\frac{1}{2}$	111	50 40'	53 49	46 36	40 54'	38 38'	30 46'	1°0576	0°8664	1°3672
27	e	$-\frac{1}{2}$	112	50 01'	33 59'	27 19'	23 25'	25 22'	21 03'	0°5167	0°4332	0°6743
28	o	-1	111	50 14'	53 34	46 10	40 54'	38 12'	30 58'	1°0414	0°8664	1°3544
29	v	$-\frac{1}{2}$	552	50 22'	73 35'	69 05'	65 13'	47 38'	37 43'	2°6158	2°1660	3°3962
30	σ	$+12$	121	31 24	63 46'	46 36	60 01'	27 52'	49 58'	1°0576	1°7328	2°0300
31	s	-12	121	31 00'	63 41'	46 10	"	27 30'	50 12'	1°0414	"	2°0217
32	κ	$+21$	211	67 39	66 18	64 37	40 54'	57 52'	20 23'	2°1071	0°8664	2°2783
33	ε	-21	211	67 29'	66 10	64 26'	"	57 40'	20 30'	2°0910	"	2°2633
34	τ	$+\frac{3}{2}$	321	61 14	74 29	72 25'	60 01'	57 38'	27 37'	3°1567	1°7328	3°6010
35	ζ	$-\frac{3}{2}$	132	21 41	54 26	27 19'	52 25'	17 29'	49 06'	0°5167	1°2996	1°3986

Wolfsbergit.

Rhomboisch.

$a = 0.8026$	$\lg a = 990450$	$\lg a_0 = 010689$	$\lg p_0 = 989311$	$a_0 = 1.2790$	$p_0 = 0.7818$
$c = 0.6275$	$\lg c = 979761$	$\lg b_0 = 020239$	$\lg q_0 = 979761$	$b_0 = 1.5936$	$q_0 = 0.6275$

Nr.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x : y)	y	d = tge
1	b	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	c	∞	100	90°00	90 00	90 00	"	90 00	"	∞	"	∞
3	Δ	3 ∞	310	75 01'	"	"	90 00	75 01'	14 58'	3°8378	∞	"
4	x	$\frac{2}{3}\infty$	520	72 12	"	"	"	72 12	17 48	3°1149	"	"
5	y	2 ∞	210	68 08	"	"	"	68 08	21 52	2°4919	"	"
6	z	$\frac{4}{3}\infty$	530	64 17	"	"	"	64 17	25 43	2°0766	"	"
7	γe	$\frac{2}{3}\infty$	320	61 51	"	"	"	61 51	28 09	1°8689	"	"
8	j	$\frac{4}{3}\infty$	430	58 57	"	"	"	58 57	31 03	1°6613	"	"
9	h	∞	110	51 15	"	"	"	51 15	38 45	1°2459'	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
10	d	$\infty \frac{2}{3}$	230	39° 43'	90° 00'	90° 00'	90° 00'	39° 43'	50° 17'	0'8306	∞	∞
11	i	$\infty 2$	120	31° 55'	"	"	"	31° 55'	58° 04'	0'6230	"	"
12	g	$\infty 3$	130	22° 33'	"	"	"	22° 33'	67° 27'	0'4153	"	"
13	l	01	011	0° 00'	32° 06'	0° 00'	32° 06'	0° 00'	32° 06'	0	0'6275	0'6275
14	u	$\frac{1}{3}0$	103	90° 00'	14° 36'	14° 36'	0° 00'	14° 36'	0° 00'	0'2606	0	0'2606
15	t	10	101	"	38° 01'	38° 01'	"	38° 01'	"	0'7818	"	0'7818
16	s	$\frac{2}{3}0$	503	"	52° 30'	52° 30'	"	52° 30'	"	1'3031	"	1'3031
17	f	20	201	"	57° 24'	57° 24'	"	57° 24'	"	1'5636	"	1'5636
18	e	1	111	51° 15'	45° 04'	38° 01'	32° 06'	33° 31'	26° 18'	0'7818	0'6275	1'0025
19	a	2	221	"	63° 29'	57° 24'	51° 27'	44° 15'	34° 04'	1'5636	1'2550	2'0050
20	r	$\frac{1}{3}1$	133	22° 33'	34° 11'	14° 36'	32° 06'	12° 27'	31° 16'	0'2606	0'6275	0'6795
21	σ	$\frac{2}{3}1$	566	46° 04'	42° 08'	33° 05'	"	28° 53'	27° 44'	0'6515	"	0'9046
22	π	$\frac{3}{5}1$	533	64° 17'	55° 20'	52° 30'	"	47° 49'	20° 54'	1'3031	"	1'4463
23	ν	21	211	68° 08'	59° 18'	57° 24'	"	52° 57'	18° 41'	1'5636	"	1'6849
24	μ	41	411	78° 39'	72° 35'	72° 16'	"	69° 19'	10° 49'	3'1273	"	3'1896
25	q	14	141	17° 18'	69° 10'	38° 01'	68° 16'	16° 08'	63° 10'	0'7818	2'5100	2'6290
26	p	$\frac{7}{8} \frac{3}{2}$	796	44° 06'	52° 39'	42° 22'	43° 16'	33° 35'	34° 49'	0'9121	0'9412	0'9691

Wulfenit.

Tetragonal. Pyramidal-hemiedrisch.

$$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 1'5774 \quad \lg c = 0'19794 \quad \lg a_0 = 980206 \quad a_0 = 0'6340$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
2	n	0 ∞	010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	m	∞	110	45° 00'	"	90° 00'	"	45° 00'	45° 00'	1'0000	"	"
4	α	$\infty \frac{3}{5}0$	560	39° 48'	"	"	"	39° 48'	50° 11'	0'8333	"	"
5	r	$\infty \frac{1}{3}0$	340	36° 52'	"	"	"	36° 52'	53° 08'	0'7500	"	"
6	β	$\infty \frac{2}{3}0$	230	33° 41'	"	"	"	33° 41'	56° 18'	0'6667	"	"
7	δ	$\infty \frac{3}{4}0$	350	30° 58'	"	"	"	30° 58'	59° 02'	0'6000	"	"
8	ζ	$\infty \frac{1}{2}0$	470	29° 44'	"	"	"	29° 44'	60° 15'	0'5714	"	"
9	q	$\infty 2$	120	26° 34'	"	"	"	26° 34'	63° 26'	0'5000	"	"
10	γ	$\infty 3$	130	18° 26'	"	"	"	18° 26'	71° 34'	0'3333	"	"
11	η'	0 $\frac{1}{10}$	0'1'16	0° 00'	5° 38'	0° 00'	5° 38'	0° 00'	5° 38'	0	0'0986	0'0986
12	χ	0 $\frac{1}{12}$	0'1'12	"	7° 29'	"	7° 29'	"	7° 29'	"	0'1314	0'1314
13	τ	0 $\frac{1}{3}$	013	"	27° 44'	"	27° 44'	"	27° 44'	"	0'5258	0'5258
14	o	0 $\frac{1}{2}$	012	"	38° 16'	"	38° 16'	"	38° 16'	"	0'7887	0'7887
15	η	0 $\frac{2}{3}$	023	"	46° 26'	"	46° 26'	"	46° 26'	"	1'0516	1'0516

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
16	e	01	011	0° 00	57° 37'	0° 00	57° 37'	0° 00	57° 37'	0	1'5774	1'5774
17	ø	0 $\frac{1}{2}$	032	"	67° 05'	"	67° 05'	"	67° 05'	"	2'3661	2'3661
18	ε	02	021	"	72° 24'	"	72° 24'	"	72° 24'	"	3'1548	3'1548
19	i	$\frac{1}{18}$	1'1'16	45° 00	7° 56'	5° 38'	5° 38'	5° 35'	5° 35'	0'0986	0'0986	0'1394
20	κ	$\frac{2}{9}$	229	"	26° 22'	19° 19'	19° 19'	18° 18'	18° 18'	0'3505	0'3505	0'4957
21	b	$\frac{1}{3}$	113	"	36° 38'	27° 44'	27° 44'	24° 57'	24° 57'	0'5258	0'5258	0'7436
22	p	1	111	"	65° 51'	57° 37'	57° 37'	40° 10'	40° 10'	1'5774	1'5774	2'2307
23	λ	$\frac{3}{2}$	332	"	73° 21'	67° 05'	67° 05'	42° 39'	42° 39'	2'3661	2'3661	3'3460
24	μ	2	221	"	77° 22'	72° 24'	72° 24'	43° 37'	43° 37'	3'1548	3'1548	4'4614
25	π	$\frac{1}{3}1$	133	18° 26'	58° 58'	27° 44'	57° 37'	15° 43'	54° 23'	0'5258	1'5774	1'6627
26	s	13	131	"	78° 40'	57° 37'	78° 04'	18° 04'	68° 28'	1'5774	4'7322	4'9881
27	B	$\frac{3}{2}2$	342	36° 52'	75° 46'	67° 05'	72° 24'	35° 33'	50° 51'	2'3661	3'1548	3'9434

Wurtzit.

Hexagonal.

$$c = 1'4163 \quad \lg c = 015115 \quad \lg a_0 = 008741 \quad \lg p_0 = 997506 \quad a_0 = 1'2230 \quad p_0 = 0'9442 \quad (G_1)$$

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	o	0	0001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	∞0	1010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	n	∞	1120	30° 00	"	90° 00	"	30° 00	60° 00	0'5773	"	"
4	x	$\frac{4}{3}0$	4045	0° 00	37° 04'	0° 00	37° 04'	0° 00	37° 04'	0	0'7554	0'7554
5	r	10	1011	"	43° 21'	"	43° 21'	"	43° 21'	"	0'9442	0'9442
6	t	$\frac{2}{3}0$	5053	"	57° 34'	"	57° 34'	"	57° 34'	"	1'5737	1'5737
7	s	20	2021	"	62° 06'	"	62° 06'	"	62° 06'	"	1'8884	1'8884
8	u	80	8081	"	82° 27'	"	82° 27'	"	82° 27'	"	7'5535	7'5535

Xanthokon.

(Rittingertit. Feuerblende.)

Monoklin. (?)

$a = 1.9187$	$\lg a = 0.28300$	$\lg a_0 = 0.27645$	$\lg p_0 = 9.72355$	$a_0 = 1.8900$	$p_0 = 0.5291$
$c = 1.0152$	$\lg c = 0.00655$	$\lg b_0 = 9.99445$	$\lg q_0 = 0.00645$	$b_0 = 0.9873$	$q_0 = 1.0150$
$\mu_{180-\beta} = \left. \begin{matrix} 88^\circ 47' \\ \beta \end{matrix} \right\}$	$\lg h = \left. \begin{matrix} 9.99990 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} 8.32702 \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 9.71710$	$h = 0.9998$	$e = 0.0212$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x' (Prismen) (x:y)	y'	d' =tg ϱ
1	c	0	001	90° 00	1° 13	1° 13	0° 00	1° 13	0° 00	0.0212	0	0.0212
2	a	∞	100	"	90 00	90 00	"	90 00	"	∞	"	∞
3	m	∞	110	27 32	"	"	90 00	27 32	62 28	0.5213	∞	"
4	n	$0\frac{2}{3}$	053	0 43	59 25	1 13	59 25	0 37	59 25	0.0212	1.6920	1.6921
5	d	$+50$	501	90 00	69 27	69 27	0 00	69 27	0 00	2.6673	0	2.6673
6	D	-50	501	90 00	69 08	69 08	"	69 08	"	2.6249	"	2.6249
7	r	$+\frac{1}{2}$	112	29 23	30 13	15 57	26 55	14 18	26 01	0.2858	0.5076	0.5825
8	R	$-\frac{1}{2}$	112	25 37	29 22	13 41	"	12 14	26 15	0.2434	"	0.5629
9	t	$+\frac{2}{3}$	223	28 55	37 42	20 30	34 05	17 12	32 22	0.3740	0.6768	0.7732
10	T	$-\frac{2}{3}$	223	26 06	37 00	18 20	"	15 21	32 43	0.3316	"	0.7536
11	p	$+1$	111	28 28	49 06	28 50	45 26	21 07	41 39	0.5504	1.0152	1.1548
12	P	-1	111	26 35	48 37	26 56	"	19 37	42 09	0.5080	"	1.1352
13	y	$+\frac{4}{3}$	443	28 14	56 56	36 00	53 32	23 21	47 35	0.7269	1.3536	1.5364
14	Y	$-\frac{4}{3}$	443	26 49	56 36	34 23	"	22 08	48 10	0.6845	"	1.5168
15	q	$+5$	551	27 43	80 06	69 27	78 51	27 16	60 42	2.6673	5.0760	5.7341
16	Q	-5	551	27 20	80 04	69 09	"	26 54	61 02	2.6249	"	5.7146

Xenotim.

Tetragonal.

$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0.8757$	$\lg c = 9.94236$	$\lg a_0 = 0.05764$	$a_0 = 1.1419$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞	110	45 00	"	90 00	"	45 00	45 00	1.0000	"	"
4	z	01	011	0 00	41 12	0 00	41 12	0 00	41 12	0	0.8757	0.8757
5	x	03	031	"	69 09	"	69 09	"	69 09	"	2.6271	2.6271
6	e	$\frac{1}{2}$	112	45 00	31 46	23 38	23 38	21 51	21 51	0.4378	0.4378	0.6102
7	f	1	111	"	51 04	41 12	41 12	33 22	33 22	0.8757	0.8757	1.2384
8	r	12	121	26 34	62 57	"	60 16	23 28	52 48	"	1.7514	1.9581

Yttrotantalit.**Rhomblisch.**

$a = 0.5412$	$\lg a = 973336$	$\lg a_0 = 967913$	$\lg p_0 = 032087$	$a_0 = 0.4777$	$p_0 = 2.0935$
$c = 1.1330$	$\lg c = 005423$	$\lg b_0 = 994577$	$\lg q_0 = 005423$	$b_0 = 0.8826$	$q_0 = 1.1330$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\tan \varrho$
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	o	2 ∞	210	74 51'	"	90 00	"	74 51'	15 08'	3.6955	"	"
4	m	∞	110	61 34'	"	"	"	61 34'	28 25'	1.8477	"	"
5	p	$\infty 2$	120	42 44	"	"	"	42 44	47 16	0.9239	"	"
6	q	$\infty 5$	150	20 17	"	"	"	20 17	69 43	0.3695	"	"
7	b	01	011	0 00	48 34	0 00	48 34	0 00	48 34	0	1.1330	1.1330
8	s	20	201	90 00	76 34	76 34	0 00	76 34	0 00	4.1870	0	4.1870

Zeunerit.**Tetragonal.**

$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 1.288$	$\lg c = 010992$	$\lg a_0 = 989008$	$a_0 = 0.7764$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = $\tan \varrho$
1	o	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	n	0 ∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	45 00	"	90 00	"	45 00	45 00	1.0000	"	"
4	a	0 $\frac{1}{2}$	013	0 00	22 37	0 00	22 37	0 00	22 37	0	0.4166	0.4166
5	?d	0 $\frac{2}{3}$	025	"	26 34	"	26 34	"	26 34	"	0.5000	0.5000
6	?g	0 $\frac{1}{2}$	012	"	32 00	"	32 00	"	32 00	"	0.6250	0.6250
7	?s	0 $\frac{2}{3}$	023	"	39 48	"	39 48	"	39 48	"	0.8333	0.8333
8	?y	01	011	"	51 20	"	51 20	"	51 20	"	1.2500	1.2500
9	k	0 $\frac{2}{3}$	054	"	57 23	"	57 23	"	57 23	"	1.5625	1.5625
10	p	02	021	"	68 12	"	68 12	"	68 12	"	2.5000	2.5000
11	i	04	041	"	78 41	"	78 41	"	78 41	"	5.0000	5.0000

Zinckenit.

Rhombisch.

$a = 0.8969$	$\lg a = 995274$	$\lg a_0 = 989584$	$\lg p_0 = 010416$	$a_0 = 0.7868$	$p_0 = 1.271$
$c = 1.140$	$\lg c = 005690$	$\lg b_0 = 994310$	$\lg q_0 = 005690$	$b_0 = 0.8772$	$q_0 = 1.140$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{y}$ (Prismen) (x : y)	y	d =tg ϱ
1	m	$0\frac{1}{2}$	012	0° 00	29° 41	0° 00	29° 41	0° 00	29° 41	0	0.5700	0.5700
2	k	30	301	90 00	75 18	75° 18	0 00	75 18	0 00	3.8131	0	3.8131

Zinkblende.

Regulär. Tetraedrisch-hexaedrisch.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	$\frac{x}{y}$ (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0° 00 \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \end{cases}$	$\begin{cases} 0° 00 \\ 90 00 \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$
2	b	$\begin{cases} 0\frac{1}{2} \\ 08 \\ \infty 8 \end{cases}$	$\begin{cases} 018 \\ 081 \\ 180 \end{cases}$	$\begin{cases} " \\ " \\ 7 07 \end{cases}$	$\begin{cases} 7 07 \\ 82 52 \\ 90 00 \end{cases}$	$\begin{cases} " \\ " \\ 90 00 \end{cases}$	$\begin{cases} 7 07 \\ 82 52 \\ 90 00 \end{cases}$	$\begin{cases} " \\ " \\ 7 07 \end{cases}$	$\begin{cases} 7 07 \\ 82 52 \\ " \end{cases}$	$\begin{cases} " \\ " \\ 0.1250 \end{cases}$	$\begin{cases} 0.1250 \\ 8.0000 \\ \infty \end{cases}$	$\begin{cases} 0.1250 \\ 8.0000 \\ \infty \end{cases}$
3	f	$\begin{cases} 0\frac{1}{2} \\ 04 \\ \infty 4 \end{cases}$	$\begin{cases} 014 \\ 041 \\ 140 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 14 02 \end{cases}$	$\begin{cases} 14 02 \\ 75 58 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 90 00 \end{cases}$	$\begin{cases} 14 02 \\ 75 58 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 14 02 \end{cases}$	$\begin{cases} 14 02 \\ 75 58 \\ " \end{cases}$	$\begin{cases} 0 \\ " \\ 0.2500 \end{cases}$	$\begin{cases} 0.2500 \\ 4.0000 \\ \infty \end{cases}$	$\begin{cases} 0.2500 \\ 4.0000 \\ \infty \end{cases}$
4	e	$\begin{cases} 0\frac{1}{2} \\ 02 \\ \infty 2 \end{cases}$	$\begin{cases} 012 \\ 021 \\ 120 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 26 34 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 90 00 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \\ 90 00 \end{cases}$	$\begin{cases} 0° 00 \\ " \\ 26 34 \end{cases}$	$\begin{cases} 26 34 \\ 63 26 \\ " \end{cases}$	$\begin{cases} 0 \\ " \\ 0.5000 \end{cases}$	$\begin{cases} 0.5000 \\ 2.0000 \\ \infty \end{cases}$	$\begin{cases} 0.5000 \\ 2.0000 \\ \infty \end{cases}$
5	b	$\begin{cases} 0\frac{2}{3} \\ 03 \\ \infty \frac{2}{3} \end{cases}$	$\begin{cases} 023 \\ 032 \\ 230 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 33 41 \end{cases}$	$\begin{cases} 33 41 \\ 56 18 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 90 00 \end{cases}$	$\begin{cases} 33 41 \\ 56 18 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ " \\ 33 41 \end{cases}$	$\begin{cases} 33 41 \\ 56 18 \\ " \end{cases}$	$\begin{cases} 0 \\ " \\ 0.6667 \end{cases}$	$\begin{cases} 0.6667 \\ 1.5000 \\ \infty \end{cases}$	$\begin{cases} 0.6667 \\ 1.5000 \\ \infty \end{cases}$
6	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} 0 00 \\ 45 00 \end{cases}$	$\begin{cases} 45 00 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ 90 00 \end{cases}$	$\begin{cases} 45 00 \\ 90 00 \end{cases}$	$\begin{cases} 0 00 \\ 45 00 \end{cases}$	$\begin{cases} 45 00 \\ " \end{cases}$	$\begin{cases} 0 \\ 1.0000 \end{cases}$	$\begin{cases} 1.0000 \\ \infty \end{cases}$	$\begin{cases} 1.0000 \\ \infty \end{cases}$
7	v	$\begin{cases} +\frac{1}{12} \\ +1.12 \end{cases}$	$\begin{cases} 1.12 \\ 1.12.1 \end{cases}$	$\begin{cases} " \\ 4 46 \end{cases}$	$\begin{cases} 6 43 \\ 85 15 \end{cases}$	$\begin{cases} 4 46 \\ 45 00 \end{cases}$	$\begin{cases} 4 46 \\ 85 14 \end{cases}$	$\begin{cases} 4 45 \\ " \end{cases}$	$\begin{cases} 4 45 \\ 83 17 \end{cases}$	$\begin{cases} 0.0833 \\ 1.0000 \end{cases}$	$\begin{cases} 0.0833 \\ 12.000 \end{cases}$	$\begin{cases} 0.1179 \\ 12.041 \end{cases}$
8	r	$\begin{cases} \frac{1}{16} \\ 16 \end{cases}$	$\begin{cases} 116 \\ 161 \end{cases}$	$\begin{cases} 45 00 \\ 9 27 \end{cases}$	$\begin{cases} 13 16 \\ 80 40 \end{cases}$	$\begin{cases} 9 27 \\ 45 00 \end{cases}$	$\begin{cases} 9 27 \\ 80 32 \end{cases}$	$\begin{cases} 9 20 \\ " \end{cases}$	$\begin{cases} 9 20 \\ 76 44 \end{cases}$	$\begin{cases} 0.1667 \\ 1.0000 \end{cases}$	$\begin{cases} 0.1667 \\ 6.0000 \end{cases}$	$\begin{cases} 0.2357 \\ 6.0827 \end{cases}$
9	l	$\begin{cases} -\frac{1}{5} \\ -15 \end{cases}$	$\begin{cases} 115 \\ 151 \end{cases}$	$\begin{cases} 45 00 \\ 11 18 \end{cases}$	$\begin{cases} 15 47 \\ 78 54 \end{cases}$	$\begin{cases} 11 18 \\ 45 00 \end{cases}$	$\begin{cases} 11 18 \\ 78 41 \end{cases}$	$\begin{cases} 11 06 \\ " \end{cases}$	$\begin{cases} 11 06 \\ 74 12 \end{cases}$	$\begin{cases} 0.2000 \\ 1.0000 \end{cases}$	$\begin{cases} 0.2000 \\ 5.0000 \end{cases}$	$\begin{cases} 0.2828 \\ 5.0989 \end{cases}$
10	k	$\begin{cases} \pm \frac{1}{4} \\ \pm 14 \end{cases}$	$\begin{cases} 114 \\ 141 \end{cases}$	$\begin{cases} 45 00 \\ 14 02 \end{cases}$	$\begin{cases} 19 28 \\ 76 22 \end{cases}$	$\begin{cases} 14 02 \\ 45 00 \end{cases}$	$\begin{cases} 14 02 \\ 75 58 \end{cases}$	$\begin{cases} 13 38 \\ " \end{cases}$	$\begin{cases} 13 38 \\ 70 32 \end{cases}$	$\begin{cases} 0.2500 \\ 1.0000 \end{cases}$	$\begin{cases} 0.2500 \\ 4.0000 \end{cases}$	$\begin{cases} 0.3535 \\ 4.1231 \end{cases}$
11	pl	$\begin{cases} \pm \frac{2}{3} \\ \pm 1\frac{2}{3} \end{cases}$	$\begin{cases} 227 \\ 272 \end{cases}$	$\begin{cases} 45 00 \\ 15 56 \end{cases}$	$\begin{cases} 22 00 \\ 74 38 \end{cases}$	$\begin{cases} 15 56 \\ 45 00 \end{cases}$	$\begin{cases} 15 56 \\ 74 03 \end{cases}$	$\begin{cases} 15 21 \\ " \end{cases}$	$\begin{cases} 15 21 \\ 68 00 \end{cases}$	$\begin{cases} 0.2857 \\ 1.0000 \end{cases}$	$\begin{cases} 0.2857 \\ 3.5000 \end{cases}$	$\begin{cases} 0.4041 \\ 3.6401 \end{cases}$

N.	Buch- staben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tge
12	m	$\begin{cases} \pm \frac{1}{3} \\ \pm 13 \end{cases}$	113 131	45° 00 18 26	25° 14 72 27	18° 26 45 00	18° 26 71 34	17° 33 "	17° 33 64 45	0'3333 1'0000	0'3333 3'0000	0'4714 3'1623
13	M	$\begin{cases} -\frac{3}{8} \\ 1\frac{2}{3} \end{cases}$	338 383	45 00 20 33	27 56 70 39	20 33 45 00	20 33 69 26	19 21 "	19 21 62 03	0'3750 1'0000	0'3750 2'6667	0'5303 2'8480
14	o	$\begin{cases} -\frac{2}{3} \\ -1\frac{1}{2} \end{cases}$	225 252	45 00 21 48	29 30 69 37	21 48 45 00	21 48 68 12	20 22 "	20 22 60 30	0'4000 1'0000	0'4000 2'5000	0'5657 2'6924
15	e	$\begin{cases} -\frac{4}{9} \\ -1\frac{1}{2} \end{cases}$	449 494	45 00 23 58	32 09 67 54	23 58 45 00	23 58 66 02	22 06 "	22 06 57 51	0'4444 1'0000	0'4444 2'2500	0'6285 2'4622
16	q	$\begin{cases} \pm \frac{1}{2} \\ \pm 12 \end{cases}$	112 121	45 00 26 34	35 16 65 54	26 34 45 00	26 34 63 26	24 05 "	24 05 54 44	0'5000 1'0000	0'5000 2'0000	0'7071 2'2360
17	A	$\begin{cases} -\frac{4}{7} \\ -1\frac{1}{2} \end{cases}$	447 474	45 00 29 44	38 56 63 36	29 44 45 00	29 44 60 15	26 23 "	26 23 51 03	0'5714 1'0000	0'5714 1'7500	0'8081 2'0155
18	n	$\begin{cases} \frac{2}{3} \\ 1\frac{1}{2} \end{cases}$	223 232	45 00 33 41	43 19 60 59	33 41 45 00	33 41 56 18	29 01 "	29 01 46 41	0'6667 1'0000	0'6667 1'5000	0'9428 1'8028
19	p	± 1	111	45 00	54 44	"	45 00	35 16	35 16	"	1'0000	1'4142
20	U	$\begin{cases} -\frac{2}{3} \\ -1\frac{1}{2} \end{cases}$	2'15'15 15'15'2	7 35 45 00	45 15 84 37	7 35 82 24	" 82 24	5 23 44 45	44 45 "	0'1333 7'5000	" 7'5000	1'0089 10'606
21	v	$\begin{cases} \pm \frac{1}{3} \\ \pm 3 \end{cases}$	133 331	18 26 45 00	46 30 76 44	18 26 71 34	45 00 71 34	13 16 43 29	43 29 "	0'3333 3'0000	1'0000 3'0000	1'0541 4'2426
22	u	$\begin{cases} -\frac{1}{2} \\ -2 \end{cases}$	212 221	26 34 45 00	48 11 70 32	26 34 63 26	45 00 63 26	19 28 41 48	41 48 "	0'5000 2'0000	1'0000 2'0000	1'1180 2'8284
23	P	$\begin{cases} -\frac{2}{3} \\ -\frac{3}{5} \end{cases}$	355 553	30 58 45 00	49 23 67 00	30 58 59 02	45 00 59 02	22 59 40 37	40 37 "	0'6000 1'6667	1'0000 1'6667	1'1662 2'3570
24	Φ	$\begin{cases} -\frac{5}{8} \\ -\frac{8}{5} \end{cases}$	588 885	32 00 45 00	49 42 66 09	32 00 57 59	45 00 57 59	23 50 40 18	40 18 "	0'6250 1'6000	1'0000 1'6000	1'1792 2'2627
25	x	$\begin{cases} -\frac{1}{3} \\ -\frac{2}{3} \\ -23 \end{cases}$	123 132 231	26 34 18 26 33 41	36 42 57 41 74 30	18 26 26 34 63 26	33 41 56 18 71 34	15 30 "	32 18 53 18 32 18	0'3333 0'5000 2'0000	0'6667 1'5000 3'0000	0'7453 1'5811 3'6055
26	w	$\begin{cases} -\frac{1}{3} \\ -\frac{1}{3} \\ -34 \end{cases}$	134 143 341	18 26 14 02 36 52	38 19 53 57 78 41	14 02 18 26 71 34	36 52 53 08 75 58	11 18 "	36 02 51 40 36 02	0'2500 0'3333 3'0000	0'7500 1'3333 4'0000	0'7906 1'3743 5'0000
27	B	$\begin{cases} -\frac{1}{10} \\ -\frac{1}{10} \\ -10'11 \end{cases}$	1'10'11 1'11'10 10'11'1	5 42 5 11 42 16	42 25 47 50 86 09	5 11 5 42 84 17	42 16 47 43 84 48	3 51 "	42 09 47 35 42 09	0'0909 0'1000 10'000	0'9091 1'1000 11'000	0'9136 1'1046 14'866
28	U	$\begin{cases} +\frac{1}{3} \\ +\frac{2}{3} \\ +59 \end{cases}$	159 195 591	11 18 6 20 29 03	29 32 61 05 84 27	6 20 11 18 78 41	29 03 60 56 83 39	5 33 "	28 54 60 28 28 54	0'1111 0'2000 5'0000	0'5556 1'8000 9'0000	0'5666 1'8110 10'295
29	D	$\begin{cases} -\frac{3}{5} \\ -\frac{2}{5} \\ -\frac{2}{5} \end{cases}$	579 597 795	35 32 29 03 37 52	43 42 55 47 66 19	29 03 35 32 54 27	37 52 52 07 60 56	23 40 "	34 12 46 17 34 12	0'5556 0'7143 1'4000	0'7778 1'2857 1'8000	0'9558 1'4708 2'2803

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
30	y	$-\frac{1}{2}\frac{3}{4}$	234	33° 41'	42° 02'	26° 34'	36° 52'	21° 48'	33° 51'	0° 5000	0° 7500	0° 9014
		$-\frac{2}{3}\frac{4}{5}$	243	26° 34'	56° 08'	33° 41'	53° 08'	"	47° 58'	0° 6667	1° 3333	1° 4907
		$-\frac{3}{2}$	342	36° 52'	68° 12'	56° 18'	63° 26'	33° 51'	"	1° 5000	2° 0000	2° 5000
31	H	$-\frac{1}{6}\frac{1}{2}$	136	18° 26'	27° 47'	9° 28'	26° 34'	8° 28'	26° 15'	0° 1667	0° 5000	0° 5271
		$-\frac{1}{3}\frac{2}{5}$	163	9° 28'	63° 45'	18° 26'	63° 26'	"	62° 12'	0° 3333	2° 0000	2° 0276
		$-\frac{1}{36}$	361	26° 34'	81° 31'	71° 34'	80° 32'	26° 15'	"	3° 0000	6° 0000	6° 7081
32	G	$-\frac{7}{15}\frac{11}{13}$	7° 11' 15"	32° 28'	41° 00'	25° 01'	36° 15'	20° 37'	33° 36'	0° 4666	0° 7333	0° 8692
		$-\frac{7}{15}\frac{11}{13}$	7° 15' 11"	25° 01'	56° 23'	32° 28'	53° 45'	"	49° 00'	0° 6364	1° 3636	1° 5048
		$-\frac{11}{15}\frac{13}{17}$	11° 15' 7"	36° 15'	69° 22'	57° 31'	64° 59'	33° 36'	"	1° 5714	2° 1429	2° 6573
33	U	$-\frac{3}{5}\frac{5}{7}$	357	30° 58'	39° 47'	23° 12'	35° 32'	19° 13'	33° 17'	0° 4286	0° 7143	0° 8330
		$-\frac{3}{5}\frac{5}{7}$	375	23° 12'	56° 43'	30° 58'	54° 27'	"	50° 12'	0° 6000	1° 4000	1° 5232
		$-\frac{3}{5}\frac{5}{7}$	573	35° 32'	70° 46'	59° 02'	66° 48'	33° 17'	"	1° 6667	2° 3333	2° 8074

Zinkspath.

Hexagonal, Rhomboedrisch-hemiedrisch.

c = 0° 8062	lg c = 990644	lg a ₀ = 033212	lg p ₀ = 973035	a ₀ = 2° 1484	p ₀ = 0° 5375	(G ₂)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	o	o	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	o	o	o
2	a	∞0	1010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
3	δ	$-\frac{1}{2}$	1122	30° 00'	24° 57'	13° 06'	21° 57'	12° 11'	21° 26'	0° 2327	0° 4040	0° 4655
4	p	$+\frac{1}{2}$	1121	"	42° 57'	24° 57'	38° 52'	19° 55'	36° 10'	0° 4654	0° 8062	0° 9309
5	φ	$-\frac{2}{3}$	2241	"	61° 45'	42° 57'	58° 11'	26° 08'	49° 43'	0° 9309	1° 6124	1° 8618
6	Δ	$-\frac{2}{3}$	7° 7' 14" 2	"	72° 56'	58° 27'	70° 29'	28° 33'	55° 53'	1° 6291	2° 8217	3° 2582
7	m	$+\frac{4}{5}$	4481	"	74° 58'	61° 45'	72° 46'	28° 52'	56° 45'	1° 8618	3° 2248	3° 7237
8	Σ	$-\frac{5}{6}$	5° 5' 10" 1	"	77° 52'	66° 45'	76° 04'	29° 16'	57° 51'	2° 3272	4° 0310	4° 6545
9	K	$+\frac{4}{5}$	4151	10° 53'	67° 54'	24° 57'	67° 32'	10° 05'	65° 29'	0° 4654	2° 4186	2° 4630

Zinkosit.

Rhombisch.

a = 0° 8928	lg a = 995076	lg a ₀ = 980028	lg p ₀ = 019972	a ₀ = 0° 6314	p ₀ = 1° 5838
c = 1° 4141	lg c = 015048	lg b ₀ = 984952	lg q ₀ = 015048	b ₀ = 0° 7072	q ₀ = 1° 4141

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d =tg ϱ
1	c	o	001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	o	o	o
2	e	01	011	0° 00'	54° 44'	"	54° 44'	"	54° 44'	"	1° 4141	1° 4141
3	f	10	101	90° 00'	57° 44'	57° 44'	0° 00'	57° 44'	0° 00'	1° 5838	o	1° 5838

Zinkvitriol.

Rhombisch.

$a = 0.9804$	$\lg a = 999140$	$\lg a_0 = 024081$	$\lg p_0 = 975919$	$a_0 = 1.7410$	$p_0 = 0.5744$
$c = 0.5631$	$\lg c = 975059$	$\lg b_0 = 024941$	$\lg q_0 = 975059$	$b_0 = 1.7759$	$q_0 = 0.5631$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
1	a	00	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	b	$\infty 0$	100	90° 00	"	90° 00	0° 00	90° 00	0° 00	∞	0	"
3	m	∞	110	45° 34	"	"	90° 00	45° 34	44° 26	1.0200	∞	"
4	f	$\infty 2$	120	27° 01	90° 00	90° 00	90° 00	27° 01	62° 58	0.5100	"	"
5	v	01	011	0° 00	29° 23	0° 00	29° 23	0° 00	29° 23	0	0.5631	0.5631
6	r	02	021	"	48° 24	"	48° 24	"	48° 24	"	1.1261	1.1261
7	n	10	101	90° 00	29° 52	29° 52	0° 00	29° 52	0° 00	0.5744	0	0.5744
8	x	20	201	"	48° 57	48° 57	"	48° 57	"	1.1487	"	1.1487
9	z	1	111	45° 34	38° 49	29° 52	29° 23	26° 35	26° 02	0.5744	0.5631	0.8043
10	t	12	121	27° 01	51° 39	"	48° 24	20° 52	44° 19	"	1.1262	1.2642
11	s	21	211	63° 53	51° 59	48° 57	29° 23	45° 01	20° 17	1.1487	0.5631	1.2793

Zinn.

Tetragonal.

$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0.3857$	$\lg c = 958625$	$\lg a_0 = 041375$	$a_0 = 2.5927$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
1	a	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	m	∞	110	45° 00	90° 00	90° 00	90° 00	45° 00	45° 00	1.0000	∞	∞
3	s	01	011	0° 00	21° 05	0° 00	21° 05	0° 00	21° 05	0	0.3857	0.3857
4	t	03	031	"	49° 10	"	49° 10	"	49° 10	"	1.1571	1.1571
5	p	1	111	45° 00	28° 36	21° 05	21° 05	19° 47	19° 47	0.3857	0.3857	0.5455
6	r	3	331	"	58° 34	49° 10	49° 10	37° 06	37° 06	1.1571	1.1571	1.6364

Zinnerz.

Tetragonal.

$\left. \begin{matrix} c \\ p_0 \end{matrix} \right\} = 0.6723$	$\lg c = 982756$	$\lg a_0 = 017244$	$a_0 = 1.4874$
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No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	00	010	0° 00	90° 00	"	90° 00	"	90° 00	"	∞	∞
3	m	∞	110	45° 00	"	90° 00	"	45° 00	45° 00	1.0000	"	"
4	l	$\infty \frac{1}{2}$	9.10.0	41° 59	"	"	"	41° 59	48° 01	0.9000	"	"
5	A	$\infty \frac{2}{3}$	780	41° 11	"	"	"	41° 11	48° 49	0.8750	"	"
6	k	$\infty \frac{1}{3}$	340	36° 52	"	"	"	36° 52	53° 08	0.7500	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
7	B	$\infty \frac{2}{3}$	570	35° 32'	90° 00'	90° 00'	90° 00'	35° 32'	54° 28'	0'7143	∞	∞
8	r	$\infty \frac{3}{2}$	230	33° 41'	"	"	"	33° 41'	56° 18'	0'6667	"	"
9	h	$\infty 2$	120	26° 34'	"	"	"	26° 34'	63° 26'	0'5000	"	"
10	e	01	011	0° 00'	33° 54'	0° 00'	33° 54'	0° 00'	33° 54'	0	0'6723	0'6723
11	w	05	051	"	73° 26'	"	73° 26'	"	73° 26'	"	3'3614	3'3614
12	p	$\frac{1}{4}$	114	45° 00'	13° 22'	9° 32'	9° 32'	9° 24'	9° 24'	0'1680	0'1680	0'2377
13	y	$\frac{3}{8}$	335	"	29° 42'	21° 58'	21° 58'	20° 30'	20° 30'	0'4033	0'4033	0'5704
14	δ	$\frac{3}{4}$	223	"	32° 22'	24° 08'	24° 08'	22° 14'	22° 14'	0'4482	0'4482	0'6338
15	s	1	111	"	43° 33'	33° 54'	33° 54'	29° 09'	29° 09'	0'6723	0'6723	0'9507
16	q	$\frac{5}{8}$	665	"	48° 46'	38° 53'	38° 53'	32° 07'	32° 07'	0'8067	0'8067	1'1409
17	ϱ	2	221	"	62° 15'	53° 21'	53° 21'	38° 44'	38° 44'	1'3446	1'3446	1'9015
18	ϑ	$\frac{1}{2}$	552	"	67° 11'	59° 15'	59° 15'	40° 40'	40° 40'	1'6807	1'6807	2'3768
19	i	5	551	"	78° 07'	73° 26'	73° 26'	43° 47'	43° 47'	3'3614	3'3614	4'7537
20	n	6	661	"	80° 03'	76° 04'	76° 04'	44° 08'	44° 08'	4'0337	4'0337	5'7044
21	x	7	771	"	81° 27'	78° 00'	78° 00'	44° 22'	44° 22'	4'7060	4'7060	6'6552
22	σ	12'12	12'12'1	"	84° 59'	82° 56'	82° 56'	44° 47'	44° 47'	8'0675	8'0675	11'409
23	ζ	18'18	18'18'1	"	86° 39'	85° 16'	85° 16'	44° 54'	44° 54'	12'1011	12'1011	17'113
24	g	$\frac{1}{10}$	1'10'10	5° 42'	34° 02'	3° 51'	33° 55'	3° 11'	33° 51'	0'0672	0'06723	0'6756
25	t	$\frac{1}{3}$	133	18° 26'	35° 19'	12° 38'	"	10° 32'	33° 16'	0'2241	"	0'7087
26	b	$\frac{1}{2}$	122	26° 34'	36° 56'	18° 35'	"	15° 35'	32° 30'	0'3361	"	0'7516
27	μ	$\frac{1}{8}$	676	40° 36'	45° 56'	33° 55'	38° 06'	27° 52'	33° 03'	0'6723	0'7843	1'0330
28	λ	13	131	18° 26'	64° 48'	"	63° 37'	16° 37'	59° 08'	"	2'0169	2'1260
29	d	$\frac{3}{2}$	342	"	54° 47'	24° 08'	53° 21'	14° 58'	50° 49'	0'4482	1'3446	1'4173
30	z	23	231	33° 41'	67° 35'	53° 21'	63° 37'	30° 51'	50° 17'	1'3446	2'0169	2'4240
31	C	$\frac{1}{12}$	1'3'12	18° 26'	10° 03'	3° 12'	9° 32'	3° 09'	9° 31'	0'0560	0'1680	0'1772
32	ξ	$\frac{1}{6}$	671	40° 36'	80° 50'	76° 04'	78° 00'	39° 58'	48° 33'	4'0337	4'7061	6'1983
33	E	78	781	41° 11'	82° 02'	78° 00'	79° 28'	40° 42'	48° 11'	4'7061	5'3784	7'1467
34	r	$\frac{3}{2}$	572	35° 32'	70° 55'	59° 15'	66° 58'	33° 19'	50° 16'	1'6807	2'3530	2'8917
35	Θ	$\frac{11}{2}$	11'13'2	40° 14'	80° 05'	74° 52'	77° 06'	39° 31'	48° 45'	3'6976	4'3699	5'7242
36	f	$\frac{3}{5}$	385	20° 33'	48° 57'	21° 58'	47° 05'	15° 21'	44° 56'	0'4034	1'0757	1'1488
37	D	$\frac{7}{9}$	14'21'18	33° 41'	43° 18'	27° 36'	38° 06'	22° 22'	34° 48'	0'5229	0'7843	0'9427

Zinnkies.

Regulär.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{matrix} 0 \\ 0\infty \end{matrix}$	$\begin{matrix} 001 \\ 010 \end{matrix}$	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	0	0	0
				0° 00'	90° 00'	"	90° 00'	"	90° 00'	"	∞	∞
2	d	$\begin{matrix} 01 \\ \infty \end{matrix}$	$\begin{matrix} 011 \\ 110 \end{matrix}$	"	45° 00'	"	45° 00'	"	45° 00'	"	1'0000	1'0000
				45° 00'	90° 00'	90° 00'	90° 00'	45° 00'	"	1'0000	∞	∞

Zinnober.

Hexagonal. Trapezoedrisch-tetartoeidrisch.

$c = 1.9837$	$\lg c = 0.29747$	$\lg a_0 = 994109$	$\lg p_0 = 0.12138$	$a_0 = 0.8732$	$p_0 = 1.3225$	(G_1)
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No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x:y)	y	d = tg ϱ
1	o	o	0001	—	0° 00'	0° 00'	0° 00'	0° 00'	0° 00'	o	o	o
2	M	∞ 0	1010	0° 00'	90° 00'	"	90° 00'	"	90° 00'	90° 00'	"	∞
3	A	∞	1120	30° 00'	"	90° 00'	"	30° 00'	60° 00'	0.5773	"	"
4	a	$+\frac{1}{3}0$	1'0'1'15	0° 00'	5° 02'	0° 00'	5° 02'	0° 00'	5° 02'	o	0.0882	0.0882
5	b	$-\frac{1}{3}0$	1'0'1'12	"	6° 17'	"	6° 17'	"	6° 17'	"	0.1102	0.1102
6	ψ	$-\frac{1}{3}0$	1019	"	8° 21'	"	8° 21'	"	8° 21'	"	0.1469	0.1469
7	b b'	$+\frac{1}{3}0$	1018	"	9° 23'	"	9° 23'	"	9° 23'	"	0.1653	0.1653
8	b'	$-\frac{1}{3}0$	1017	"	10° 42'	"	10° 42'	"	10° 42'	"	0.1889	0.1889
9	e'	$-\frac{1}{3}0$	1015	"	14° 49'	"	14° 49'	"	14° 49'	"	0.2645	0.2645
10	c c'	$+\frac{1}{3}0$	1014	"	18° 17'	"	18° 17'	"	18° 17'	"	0.3306	0.3306
11	$\eta \eta'$	$+\frac{2}{3}0$	3'0'3'10	"	21° 38'	"	21° 38'	"	21° 38'	"	0.3967	0.3967
12	d d'	$+\frac{1}{3}0$	1013	"	23° 47'	"	23° 47'	"	23° 47'	"	0.4387	0.4387
13	f	$-\frac{1}{3}0$	3'0'5'14	"	25° 17'	"	25° 17'	"	25° 17'	"	0.4723	0.4723
14	e'	$-\frac{2}{3}0$	3038	"	26° 22'	"	26° 22'	"	26° 22'	"	0.4959	0.4959
15	f f'	$+\frac{2}{3}0$	2025	"	27° 52'	"	27° 52'	"	27° 52'	"	0.5290	0.5290
16	a	$+\frac{4}{3}0$	4049	"	30° 26'	"	30° 26'	"	30° 26'	"	0.5878	0.5878
17	g g'	$+\frac{1}{3}0$	1012	"	33° 28'	"	33° 28'	"	33° 28'	"	0.6612	0.6612
18	i'	$-\frac{1}{3}0$	10'0'10'19	"	34° 50'	"	34° 50'	"	34° 50'	"	0.6960	0.6960
19	m'	$-\frac{2}{3}0$	5059	"	36° 18'	"	36° 18'	"	36° 18'	"	0.7347	0.7347
20	ρ	$+\frac{2}{3}0$	3035	"	38° 26'	"	38° 26'	"	38° 26'	"	0.7935	0.7935
21	h h'	$+\frac{2}{3}0$	2023	"	41° 24'	"	41° 24'	"	41° 24'	"	0.8816	0.8816
22	γ	$+\frac{7}{3}0$	7079	"	45° 48'	"	45° 48'	"	45° 48'	"	1.0286	1.0286
23	i i'	$+\frac{4}{3}0$	4045	"	46° 37'	"	46° 37'	"	46° 37'	"	1.0580	1.0580
24	a a'	± 10	1011	"	52° 54'	"	52° 54'	"	52° 54'	"	1.3225	1.3225
25	s	$+\frac{10}{3}0$	10'0'10'9	"	55° 46'	"	55° 46'	"	55° 46'	"	1.4694	1.4694
26	η	$+\frac{8}{3}0$	6065	"	57° 47'	"	57° 47'	"	57° 47'	"	1.5869	1.5869
27	k k'	$+\frac{2}{3}0$	5054	"	58° 49'	"	58° 49'	"	58° 49'	"	1.6531	1.6531
28	l l'	$+\frac{4}{3}0$	4043	"	60° 26'	"	60° 26'	"	60° 26'	"	1.7633	1.7633
29	$\nu \nu'$	$+\frac{10}{3}0$	13'0'13'9	"	62° 22'	"	62° 22'	"	62° 22'	"	1.9102	1.9102
30	l'	$-\frac{2}{3}0$	5053	"	65° 36'	"	65° 36'	"	65° 36'	"	2.2041	2.2041
31	m m'	$+\frac{16}{3}0$	16'0'16'9	"	66° 57'	"	66° 57'	"	66° 57'	"	2.3511	2.3511
32	m'	$-\frac{2}{3}0$	9095	"	67° 13'	"	67° 13'	"	67° 13'	"	2.3804	2.3804
33	n n'	± 20	2021	"	69° 17'	"	69° 17'	"	69° 17'	"	2.6449	2.6449
34	q'	$-\frac{2}{3}0$	5052	"	73° 10'	"	73° 10'	"	73° 10'	"	3.3062	3.3062
35	$\omega \omega'$	$+\frac{10}{3}0$	3031	"	75° 51'	"	75° 51'	"	75° 51'	"	3.9674	3.9674
36	θ	$+\frac{10}{3}0$	10'0'10'3	"	77° 13'	"	77° 13'	"	77° 13'	"	4.4082	4.4082

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
37	n'	$-\frac{2}{3}0$	7072	0° 00	77° 48'	0° 00	77° 48'	0° 00	77° 48'	0	4'6286	4'6286
38	p'	$-\frac{2}{3}0$	32° 0' 32' 9	"	77 59'	"	77 59'	"	77 59'	"	4'7021	4'7021
39	q q'	± 40	4041	"	79 17'	"	79 17'	"	79 17'	"	5'2898	5'2848
40	r r'	$+\frac{2}{3}0$	9092	"	80 27'	"	80 27'	"	80 27'	"	5'9510	5'9510
41	$\lambda \lambda'$	$+\frac{2}{3}0$	5051	"	81 24'	"	81 24'	"	81 24'	"	6'6123	6'6123
42	s'	$-\frac{2}{3}0$	16° 0' 16' 3	"	81 56'	"	81 56'	"	81 56'	"	7'0531	7'0531
43	$\pi \pi'$	± 60	6061	"	82 49'	"	82 49'	"	82 49'	"	7'9308	7'9308
44	ϱ	$+\frac{2}{3}0$	7071	"	83 50'	"	83 50'	"	83 50'	"	9'2572	9'2572
45	t t'	± 80	8081	"	84 36'	"	84 36'	"	84 36'	"	10'580	10'580
46	σ	$+\frac{2}{3}0$	10° 0' 10' 1	"	85 40'	"	85 40'	"	85 40'	"	13'225	13'225
47	r'	$-\frac{2}{3}0$	11° 0' 11' 1	"	86 04'	"	86 04'	"	86 04'	"	14'547	14'547
48	v'	$-\frac{2}{3}0$	16° 0' 16' 1	"	87 17'	"	87 17'	"	87 17'	"	21'159	21'159
49	B	$\frac{1}{2}0$	1'1'2'20	30 00	6 32	3 16'	5 40	3 15'	5 39'	0'0573	0'0992	0'1145
50	C	$\frac{1}{2}0$	1126	"	20 53	10 48'	18 17'	10 16'	17 59'	0'1909	0'3306	0'3817
51	N	$\frac{1}{2}0$	1124	"	29 48	15 18'	26 22'	14 23	25 29'	0'2863	0'4959	0'5726
52	P	$\frac{1}{2}0$	1123	"	37 22	20 53'	33 28'	17 40	31 42'	0'3818	0'6612	0'7635
53	G	$\frac{1}{2}0$	7'7'14'18	"	41 41'	24 00'	37 39'	19 25'	35 10'	0'4455	0'7714	0'8908
54	x	$\frac{1}{2}0$	2245	"	42 30	24 37'	38 26'	19 44'	35 48'	0'4581	0'7935	0'9162
55	J	$\frac{1}{2}0$	5'5'10'8	"	55 04	35 35'	51 06'	24 12	45 14'	0'7158	1'2398	1'4316
56	y	$\frac{1}{2}0$	2243	"	56 47	37 22'	52 54'	24 43'	46 25'	0'7635	1'3224	1'5270
57	u	$\frac{1}{2}0$	1121	"	66 25	48 52'	63 15'	27 16'	52 32'	1'1453	1'9837	2'2905
58	ξ	$\frac{2}{3}0$	2241	"	77 41	66 25'	75 51'	29 14'	57 47'	2'2905	3'9673	4'5811
59	w	$+\frac{1}{2}0$	2132	19 06'	60 15	29 48'	58 49'	16 30'	55 07'	0'5726	1'6531	1'7494
60	F	$+\frac{1}{2}0$	5385	21 47'	61 37	34 30'	59 49'	19 03'	54 47'	0'6872	1'7192	1'8514
61	R'	$-\frac{2}{3}0$	3142	13 54'	67 14'	29 48'	66 38'	12 48	63 32'	0'5726	2'3143	2'3841
62	S'	$-\frac{2}{3}0$	8'2'10'5	10 53'	67 35'	24 37'	67 13'	10 03'	65 12'	0'4581	2'3804	2'4241
63	κ	$+\frac{2}{3}0$	4263	19 06'	66 47'	37 22'	65 36'	17 30'	60 17'	0'7635	2'2041	2'3326
64	ζ'	$-\frac{2}{3}0$	4261	"	81 52	66 25'	81 24'	18 54'	69 17'	2'2905	6'6124	6'9979
65	z	$+\frac{2}{3}0$	5167	8 57'	46 27'	9 17'	46 06'	6 28'	45 43'	0'1636	1'0390	1'0519
66	δ	$+\frac{2}{3}0$	5'3'8'13	21 47'	35 27	14 48'	33 28'	12 26	32 35'	0'2643	0'6612	0'7121
67	T'	$-\frac{2}{3}0$	3351	23 25'	43 51'	20 53'	41 24'	15 58'	39 28'	0'3816	0'8816	0'9608
68	D	$+\frac{2}{3}0$	2137	19 06'	26 33'	9 17'	25 17'	8 25	24 59'	0'1636	0'4723	0'4998
69	H'	$-\frac{2}{3}0$	3'1'4'10	13 54'	25 29'	6 32'	24 50'	5 56	24 41'	0'1145	0'4629	0'4768
70	E	$+\frac{2}{3}0$	5'1'6'13	8 57'	29 31'	5 02'	29 13'	4 24	29 08'	0'0881	0'5595	0'5664
71	μ'	$-\frac{2}{3}0$	12'4'16'17	13 54'	48 17'	15 05'	47 26'	10 20	46 26'	0'2695	1'0891	1'1219
72	L	$+\frac{2}{3}0$	6'4'10'23	23 25'	26 37'	11 16'	24 42'	10 15'	24 17'	0'1992	0'4600	0'5012

Zirkon.**Tetragonal.**

$\frac{c}{p_0}$	$\frac{c}{p_0} = 0.6403$	$\lg c = 980638$	$\lg a_0 = 019362$	$a_0 = 1.5618$
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N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tge
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	a	000	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	m	∞	110	45 00	"	90 00	"	45 00	45 00	1'0000	"	"
4	e	01	011	0 00	32 38	0 00	32 38	0 00	32 38	0	0.6403	0.6403
5	F	$\frac{1}{2}$	113	45 00	16 47	12 03	12 03	11 47	11 47	0.2134	0.2134	0.3018
6	β	$\frac{1}{2}$	112	"	24 21	17 45	17 45	16 57	16 57	0.3201	0.3201	0.4527
7	s	1	111	"	42 09	32 38	32 38	28 20	28 20	0.6403	0.6403	0.9055
8	G	$\frac{5}{8}$	553	"	56 28	46 51	46 51	36 07	36 07	1.0672	1.0672	1.5092
9	φ	$\frac{7}{8}$	774	"	57 44	48 15	48 15	36 43	36 43	1.1205	1.1205	1.5847
10	ϱ	2	221	"	61 05	52 01	52 01	38 14	38 14	1.2806	1.2806	1.8110
11	π	3	331	"	69 47	62 30	62 30	41 34	41 34	1.9209	1.9209	2.7165
12	ϵ	5	551	"	77 32	72 39	72 39	43 40	43 40	3.2014	3.2014	4.5275
13	λ	13	131	18 26	63 43	32 38	62 30	16 28	58 16	0.6403	1.9209	2.0248
14	ψ	14	141	14 02	69 15	"	68 40	13 06	65 07	"	2.5612	2.6400
15	ω	15	151	11 18	72 58	"	72 39	10 48	69 39	"	3.2015	3.2649

Zoisit.**Rhomhisch.**

a = 0.6196	lg a = 979211	lg a ₀ = 025694	lg p ₀ = 974306	a ₀ = 1.8069	p ₀ = 0.5334
c = 0.3429	lg c = 953517	lg b ₀ = 046483	lg q ₀ = 953517	b ₀ = 2.9163	q ₀ = 0.3429

N ^o .	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	x (Prismen) (x:y)	y	d =tge
1	b	000	010	0° 00	90° 00	0° 00	90° 00	0° 00	90° 00	0	∞	∞
2	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
3	k	300	310	78 20	"	"	90 00	78 20	11 40	4.8419	∞	"
4	q	200	210	72 47	"	"	"	72 47	17 13	3.2279	"	"
5	n	$\frac{2}{3}$ 00	530	69 36	"	"	"	69 36	20 23	2.6900	"	"
6	s	$\frac{3}{2}$ 00	320	67 33	"	"	"	67 33	22 26	2.4210	"	"
7	m	∞	110	58 13	"	"	"	58 13	31 47	1.6140	"	"
8	r	∞2	120	38 54	"	"	"	38 54	51 06	0.8070	"	"

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
9	t	$\infty 3$	130	28° 17'	90° 00'	90° 00'	90° 00'	28° 17'	61° 43'	0° 5380	∞	∞
10	l	$\infty 4$	140	21° 58'	"	"	"	21° 58'	68° 01'	0° 4035	"	"
11	f	01	011	0° 00'	18° 55'	0° 00'	18° 55'	0° 00'	18° 55'	0	0° 3429	0° 3429
12	u	02	021	"	34° 26'	"	34° 26'	"	34° 26'	"	0° 6858	0° 6858
13	x	04	041	"	53° 54'	"	53° 54'	"	53° 54'	"	1° 3716	1° 3716
14	e	06	061	"	64° 04'	"	64° 04'	"	64° 04'	"	2° 0574	2° 0574
15	d	10	101	90° 00'	28° 57'	28° 57'	0° 00'	28° 57'	0° 00'	0° 5534	0	0° 5534
16	o	1	111	58° 13'	33° 04'	"	18° 55'	27° 38'	16° 42'	"	0° 3429	0° 6510
17	v	12	121	38° 54'	41° 23'	"	34° 26'	24° 32'	30° 58'	"	0° 6858	0° 8813
18	p	13	131	28° 17'	49° 26'	"	45° 48'	21° 05'	41° 59'	"	1° 0287	1° 1681
19	z	16	161	15° 03'	64° 51'	"	64° 04'	13° 36'	60° 56'	"	2° 0574	2° 1305

Zunyit.

Regulär. Tetraedrisch-hemiedrisch.

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	$\begin{cases} 0 \\ 0\infty \end{cases}$	$\begin{cases} 001 \\ 010 \end{cases}$	$\begin{cases} — \\ 0° 00' \end{cases}$	$\begin{cases} 0° 00' \\ 90° 00' \end{cases}$	$\begin{cases} 0° 00' \\ " \end{cases}$	$\begin{cases} 0° 00' \\ 90° 00' \end{cases}$	$\begin{cases} 0° 00' \\ " \end{cases}$	$\begin{cases} 0° 00' \\ 90° 00' \end{cases}$	$\begin{cases} 0 \\ " \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$	$\begin{cases} 0 \\ \infty \end{cases}$
2	d	$\begin{cases} 01 \\ \infty \end{cases}$	$\begin{cases} 011 \\ 110 \end{cases}$	$\begin{cases} " \\ 45° 00' \end{cases}$	$\begin{cases} 45° 00' \\ 90° 00' \end{cases}$	$\begin{cases} " \\ 90° 00' \end{cases}$	$\begin{cases} 45° 00' \\ 90° 00' \end{cases}$	$\begin{cases} " \\ 45° 00' \end{cases}$	$\begin{cases} 45° 00' \\ " \end{cases}$	$\begin{cases} " \\ 1° 0000 \end{cases}$	$\begin{cases} 1° 0000 \\ \infty \end{cases}$	$\begin{cases} 1° 0000 \\ \infty \end{cases}$
3	pp'	$\begin{matrix} + \\ 1 \end{matrix}$	111	"	54° 44'	45° 00'	45° 00'	35° 16'	35° 16'	"	1° 0000	1° 4142

Anhang.

Bemerkungen und Correcturen.

Bemerkungen und Correcturen.¹⁾

Allgemein.

Im **Hexagonalen System** sind die vierzahligen (Bravais) Symbole in directer Verknüpfung mit den Symbolen des Verf. in der gewählten Aufstellung. So z. B. mit den G_1 beim Quarz, Apatit ..., mit den G_2 bei Calcit, Rothgiltigerz ..., so zwar, dass $p\ q\ (G_1 \text{ resp. } G_2) = p \cdot q \cdot p + \bar{q} \cdot 1$ ist. Im Index, wo die G_1 und G_2 jedesmal beide abgedruckt sind, wurde überall das zu $p\ q\ (G_1)$ gehörige vierzahlige Symbol gegeben. Man wolle dies beachten, um Irrthümer zu vermeiden.

Berechnung des Winkels von Fläche zu Fläche mit Hilfe der Winkeltabelle.

(Zuzufügen S. 5.)

Aufgabe. Gegeben 2 Flächen a_1, a_2 durch ihre Positionswinkel φ_1, ϱ_1 und φ_2, ϱ_2 .

Gesucht $\angle a_1 a_2 = a$.

Auflösung. Es ist in dem sphärischen Dreieck Fig. 15 nach dem Cosinus-Satz:

$$\cos a = \cos \varrho_1 \cos \varrho_2 + \sin \varrho_1 \sin \varrho_2 \cos (\varphi_2 - \varphi_1)$$

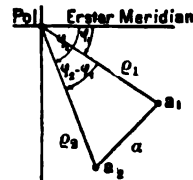


Fig. 15.

Diese Formel gilt für alle Fälle. In den meisten speciellen Fällen vereinfacht sich die Rechnung.

Speciellfälle.

$\varphi_2 - \varphi_1 = 60^\circ$ (häufig im hexagonalen System). $\cos a = \cos \varrho_1 \cos \varrho_2 + \frac{1}{2} \sin \varrho_1 \sin \varrho_2$

$\varphi_2 - \varphi_1 = 90^\circ$ (häufiger Fall). $\cos a = \cos \varrho_1 \cos \varrho_2$.

Vertauschung der Projectionsebene $\perp c$ mit der $\perp a$ oder $\perp b$. (Zuzufügen S. 8.)

Berechnung von $\varphi' \varrho'$ und $\varphi'' \varrho''$ aus $\varphi \varrho$. Dazu dienen die Formeln:

$$\text{I. } \begin{cases} \cos \varrho' = \sin \varphi \sin \varrho \\ \operatorname{tg} \varphi' = \cos \varphi \operatorname{tg} \varrho \end{cases}$$

$$\text{II. } \begin{cases} \cos \varrho'' = \cos \varphi \sin \varrho \\ \operatorname{ctg} \varphi'' = \sin \varphi \operatorname{tg} \varrho \end{cases}$$

Die Formel II können wir auch schreiben: II'.

$$\begin{cases} \cos \varrho'' = \sin (90 - \varphi) \sin \varrho \\ \operatorname{tg} (90 - \varphi'') = \cos (90 - \varphi) \operatorname{tg} \varrho \end{cases}$$

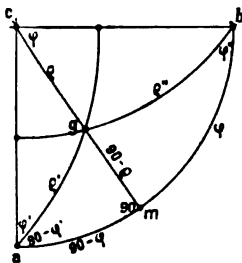


Fig. 16.

II' sieht aus wie I, nur tritt $90 - \varphi, 90 - \varphi''$ an Stelle aller $\varphi \varphi'$.

Beweis. Es ist in dem rechtwinkligen sphärischen Dreieck $a\ m\ g$ (Fig. 11 und 16):

$$\begin{aligned} \cos \varrho' &= \sin \varphi \sin \varrho \\ \sin (90 - \varphi') &= \operatorname{tg} (90 - \varrho) \operatorname{ctg} (90 - \varphi') \\ \text{oder } \cos \varphi &= \operatorname{ctg} \varrho \operatorname{tg} \varphi' \\ \text{daher } \operatorname{tg} \varphi' &= \cos \varphi \operatorname{tg} \varrho \end{aligned}$$

In $\triangle g\ b\ m$ (Fig. 11 und 16) ist:

$$\begin{aligned} \cos \varrho'' &= \cos \varphi \sin \varrho \\ \sin \varphi &= \operatorname{ctg} \varphi'' \operatorname{tg} (90 - \varrho) \\ &= \operatorname{ctg} \varphi'' \operatorname{ctg} \varrho \\ \operatorname{tg} \varphi'' &= \sin \varphi \operatorname{tg} \varrho \end{aligned}$$

¹⁾ Die Correcturen betreffen hauptsächlich die zwei am eingehendsten benutzten Bücher, den Index des Verf. und F. S. Dana's System. 1892.

Berechnung der Elemente. Triklines System. In der Schrift über das zweikreisige Goniometer (Zeitschr. Kryst. 1893. 22. 221) wurden zur Berechnung von p_0, q_0, ν keine unabhängigen Formeln von p_0, q_0, ν gegeben. Dazu bieten sich folgende für $h = 1$.

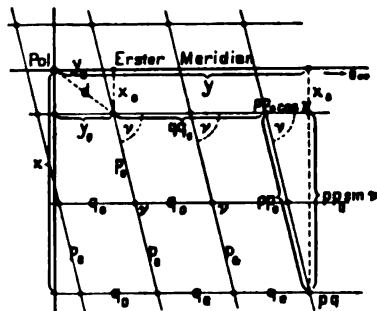


Fig. 17.

Wir hatten für drei Flächen $p_1 q_1; p_2 q_2; p_3 q_3$ mit den rechtwinkligen Coordinaten $x_1 y_1; x_2 y_2; x_3 y_3$ gefunden:

$$\left. \begin{aligned} x_1 &= x_0 + p_1 p_0 \sin \nu \\ x_2 &= x_0 + p_2 p_0 \sin \nu \end{aligned} \right\} \text{daraus: } p_0 \sin \nu = \frac{x_1 - x_2}{p_1 - p_2}$$

Ferner hatten wir:

$$\begin{aligned} p_1 p_0 \cos \nu + q_1 q_0 + y_0 &= y_1 \\ p_2 p_0 \cos \nu + q_2 q_0 + y_0 &= y_2 \\ p_3 p_0 \cos \nu + q_3 q_0 + y_0 &= y_3 \end{aligned}$$

Betrachten wir hierin $p_0 \cos \nu, q_0, y_0$ als Unbekannte, so lässt sich deren Werth, ausgedrückt in den Symbolzahlen $p_1 q_1, p_2 q_2, p_3 q_3$ und den Messungsergebnissen $y_1 y_2 y_3$ in Gestalt von Determinanten anschreiben:

$$\begin{aligned} q_0 &= \frac{\begin{vmatrix} p_1 y_1 & 1 \\ p_2 y_2 & 1 \\ p_3 y_3 & 1 \end{vmatrix}}{\begin{vmatrix} p_1 q_1 & 1 \\ p_2 q_2 & 1 \\ p_3 q_3 & 1 \end{vmatrix}} = \frac{p_1(y_2 - y_3) + p_2(y_3 - y_1) + p_3(y_1 - y_2)}{p_1(q_2 - q_3) + p_2(q_3 - q_1) + p_3(q_1 - q_2)} = \frac{(p_1 - p_2)(y_1 - y_3) - (p_1 - p_3)(y_1 - y_2)}{(p_1 - p_2)(q_1 - q_3) - (p_1 - p_3)(q_1 - q_2)} \\ p_0 \cos \nu &= \frac{\begin{vmatrix} y_1 q_1 & 1 \\ y_2 q_2 & 1 \\ y_3 q_3 & 1 \end{vmatrix}}{\begin{vmatrix} p_1 q_1 & 1 \\ p_2 q_2 & 1 \\ p_3 q_3 & 1 \end{vmatrix}} = \frac{y_1(q_2 - q_3) + y_2(q_3 - q_1) + y_3(q_1 - q_2)}{p_1(q_2 - q_3) + p_2(q_3 - q_1) + p_3(q_1 - q_2)} = \frac{(y_1 - y_2)(q_1 - q_3) - (y_1 - y_3)(q_1 - q_2)}{(p_1 - p_2)(q_1 - q_3) - (p_1 - p_3)(q_1 - q_2)} \\ y_0 &= \frac{\begin{vmatrix} p_1 q_1 y_1 \\ p_2 q_2 y_2 \\ p_3 q_3 y_3 \end{vmatrix}}{\begin{vmatrix} p_1 q_1 & 1 \\ p_2 q_2 & 1 \\ p_3 q_3 & 1 \end{vmatrix}} = \frac{p_1(q_2 y_3 - q_3 y_2) + p_2(q_3 y_1 - q_1 y_3) + p_3(q_1 y_2 - q_2 y_1)}{p_1(q_2 - q_3) + p_2(q_3 - q_1) + p_3(q_1 - q_2)} \end{aligned}$$

daraus und aus obiger Formel für $p_0 \sin \nu$ folgt:

$$\tan \nu = \frac{p_0 \sin \nu}{p_0 \cos \nu}; \quad \text{dann } p_0 \text{ oder } p_0 = \sqrt{(p_0 \sin \nu)^2 + (p_0 \cos \nu)^2}$$

Für die **Parallelzonen** vereinfachen sich die Formeln. Wir haben:

Quer-Parallelzone: $x_1 = x_2$ und $p_1 = p_2$. Daher: $q_0 = \frac{y_1 - y_2}{q_1 - q_2}$

Längs-Parallelzone: $q_1 = q_2$. Daher: $p_0 \cos \nu = \frac{y_1 - y_2}{p_1 - p_2}$

Zeitschr. Kryst. 1893. 21. 222. Zeile 12 vu zuzufügen: $\cos \lambda = y_0$

Polarstellen am zweikreisigen Goniometer. Zeitschr. Kryst. 1895. 24. 612 nach Zeile 14 vo ist zuzufügen:

Anmerkung. Diese Art der Näherung gilt nur dann, wenn a_2 zwischen $a_1 a_3$ liegt, d. h. im Winkel $a_1 a_3 < 180^\circ$. Liegt a_2 ausserhalb, d. h. im $\angle a_1 a_3 > 180^\circ$, so ist statt $h' = h_1 + h_3 - h_2$ zu bilden $h' = \frac{1}{2}(h_1 + h_2 + h_3)$. Im Uebrigen ist das Verfahren das gleiche.

Beweis. Fall 1. a_2 zwischen $a_1 a_3$. Es sei im stereographischen Bild Fig. 18 K der Grundkreis, R der Ring mit $a_1 a_2 a_3$. f sei der gesuchte Pol. Wir stellen mit den Wiegeschlitten $W_1 W_2$ den Krystall so ein, dass $a_1 a_3$ gleiche Ablesung am Horizontalkreis H haben. $h_1 = h_0 + \varrho_1 = h_3 = h_0 + \varrho_3$. $\varrho_1 = \varrho_3$ ist der Abstand von dem unrichtig eingestellten Pol f' oder f'' . f' resp. f'' liegt auf mfn, der Symmetrielinie zu $a_1 a_3$. Wir haben nun zwei Fälle:

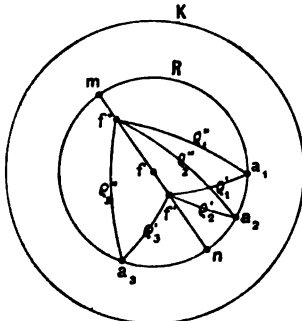


Fig. 18.

A. f' liege zu nahe an $a_1 a_3$, dann ist $\varrho'_2 = f' a_2 < \varrho'_1$. Nun soll f' nach f rücken, d. h. das gemeinsame ϱ resp. $h = h_0 + \varrho$ soll grösser werden. Das ist der Fall, wenn wir für $h = h_0 + \varrho'_1$ bilden:

$h' = h_1 + h_3 - h_2 = h_0 + \varrho'_1 + \varrho'_3 - \varrho'_2$, denn $\varrho'_3 - \varrho'_2 > 0$, nicht aber durch $\frac{1}{2}(h_1 + h_2 + h_3) = h_0 + \frac{1}{2}(\varrho'_1 + \varrho'_2 + \varrho'_3)$, denn $\frac{1}{2}(\varrho'_1 + \varrho'_2 + \varrho'_3) < \varrho'_1$.

B. Der unrichtig eingestellte Pol liege in f'' ; zu weit von $a_1 a_3$. Dann ist $\varrho''_1 = \varrho''_3 < \varrho''_2$. Damit f'' sich f nähere, soll $h_1 = h_0 + \varrho''_1$ kleiner werden. Das geschieht durch Bildung von:

$$h' = h_1 + h_3 - h_2 = h_0 + \varrho''_1 + \varrho''_3 - \varrho''_2, \text{ denn } \varrho''_3 - \varrho''_2 < 0,$$

nicht aber durch: $\frac{1}{2}(h_1 + h_2 + h_3) = h_0 + \frac{1}{2}(\varrho''_1 + \varrho''_2 + \varrho''_3)$, denn $\frac{1}{2}(\varrho''_1 + \varrho''_2 + \varrho''_3) > \varrho''_1$

Fall 2. a_2 ausserhalb $a_1 a_3$ (Fig. 19). Wir stellen $a_1 a_3$ auf gleiche Poldistanz $\varrho'_1 = \varrho'_3$ ein. Der hierbei unrichtig eingestellte Pol liegt auf mfn, der Symmetrielinie zu $a_1 a_3$ und zwar in f' diesseits oder f'' jenseits des richtigen Pols f . Wir haben wieder zwei Fälle:

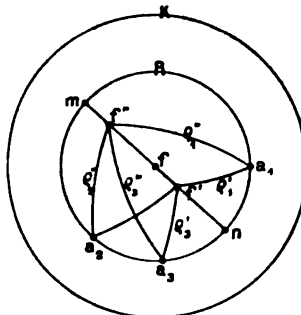


Fig. 19.

A. f' liege zu nahe an $a_1 a_3$; dann ist $\varrho'_2 = f' a_2 > \varrho'_3$. f' soll sich f nähern, d. h. ϱ'_1 resp. $h_1 = h_0 + \varrho_1$ soll bei Verschiebung von f auf mn grösser werden. Das geschieht, indem wir für $h = h_0 + \varrho_1$ bilden:

$$h' = \frac{1}{2}(h_1 + h_2 + h_3) = h_0 + \frac{1}{2}(\varrho'_1 + \varrho'_2 + \varrho'_3); \text{ denn es ist:}$$

$$\frac{1}{2}(\varrho'_1 + \varrho'_2 + \varrho'_3) > \varrho'_3; \text{ nicht aber durch } h_1 + h_2 - h_3 = h_0 + \varrho_1 + \varrho_3 - \varrho_2; \text{ denn } \varrho_1 - \varrho_2 < 0.$$

B. Der unrichtig eingestellte Pol liege in f'' , zu weit von $a_1 a_3$. Dann ist $\varrho''_1 = \varrho''_3 > \varrho''_2$. Damit f'' sich f nähere, soll $h_1 = h_0 + \varrho''_1$ kleiner werden. Dies geschieht durch Bildung von:

$$h' = \frac{1}{2}(h_1 + h_2 + h_3) = h_0 + \frac{1}{2}(\varrho''_1 + \varrho''_2 + \varrho''_3); \text{ denn } \frac{1}{2}(\varrho''_1 + \varrho''_2 + \varrho''_3) < \varrho''_1$$

$$\text{nicht aber durch: } h_1 + h_3 - h_2 = h_0 + \varrho_1 + \varrho_3 - \varrho_2; \text{ denn } \varrho_3 - \varrho_2 > 0$$

Zonengleichung. Index 1, 24 ist zuzufügen:

Die Gleichung einer Zone in Symbolen $p q$, d. h. in Coordinaten des gnomonischen Projectionspunktes, ist die Gleichung einer Geraden in der Ebene. Sie lässt sich in der Form schreiben:

$$Z = a p + b q = 1 \text{ oder } A p + B q = C$$

Dabei sind $\frac{1}{a}, \frac{1}{b}$ die Parameter der Zone d. h. die Abschnitte auf den Coordinaten-Axen, gemessen in den Einheiten $p_0 q_0$. $a b$ sind rationale Zahlen, $A B C$ ganze Zahlen. $\bar{a} b$ sind die Coordinaten des Zonen-(Kanten-)Punktes in Linear-Projection. $[\bar{a} b]$ nennen wir das lineare Zonensymbol.¹⁾

Eine Fläche $p_1 q_1$ liegt in Zone Z , wenn die Zahlen $p_1 q_1$, für $p q$ eingesetzt, der Gleichung genügen.

$$\begin{aligned} \text{Beisp. } \frac{1}{4} \frac{3}{2} \text{ liegt in Zone: } p + q = 1, \text{ denn es ist } \frac{1}{4} + \frac{3}{2} &= 1 \\ \text{ferner in Zone: } 7p - q = 1, & \quad " \quad 7 \times \frac{1}{4} - \frac{3}{2} = 1 \\ \text{und in Zone: } \frac{5}{3}p + \frac{4}{3}q = 1 \} & \quad " \quad 8 \times \frac{1}{4} + 4 \times \frac{3}{2} = 5 \\ \text{oder } 8p + 4q = 5 \} & \end{aligned}$$

Jede Fläche liegt in ∞ vielen Zonen. Zwei Flächen bestimmen eine Zone.

Aufgabe. Gegeben Zwei Flächen $p_1 q_1$ und $p_2 q_2$.

Gesucht die Zonengleichung d. i. a und b .

Auflösung. Wir setzen in Gleichung $ap + bq = 1$ die Werthe $p_1 q_1$ resp. $p_2 q_2$ ein.

Wir erhalten: $\left. \begin{aligned} ap_1 + bq_1 &= 1 \\ ap_2 + bq_2 &= 1 \end{aligned} \right\}$ und lösen nach a und b auf.

$$\begin{aligned} \text{Beisp. } p_1 q_1 = \frac{1}{4} \frac{3}{2} \mid a \cdot \frac{1}{4} + b \cdot \frac{3}{2} = 1 \mid a + 3b = 4 \mid a = 7 \\ p_2 q_2 = \frac{1}{3} \frac{2}{3} \mid a \cdot \frac{1}{3} + b \cdot \frac{2}{3} = 1 \mid a + 2b = 5 \mid b = -1 \mid Z = 7p - q = 1 \end{aligned}$$

Im Schnitt zweier Zonen liegt eine Fläche.

Aufgabe. Gegeben zwei Zonen: $\left. \begin{aligned} a_1 p + b_1 q &= 1 \\ a_2 p + b_2 q &= 1 \end{aligned} \right\}$ **Gesucht** die beiden Zonen gemeinsame Fläche.

Auflösung. Wir berechnen p und q aus den zwei Gleichungen, so ist $p q$ das Symbol der Fläche.

$$\text{Beisp. } \left. \begin{aligned} 7p - q &= 1 \\ p + q &= 1 \end{aligned} \right\} \begin{aligned} p &= \frac{1}{4} \\ q &= \frac{3}{2} \end{aligned} \mid \frac{1}{4} \frac{3}{2} \text{ ist das Symbol der in beiden Zonen liegenden Fläche.}$$

Lang's Regel der kreuzweisen Multiplication (Lang, Krystallogr. 1866. 26) ergibt sich aus obigen Gleichungen in folgender Weise:

Unser Zonensymbol ist $[\bar{a} b]$ oder dreiziffrig $\bar{a} : \bar{b} : 1$. Es berechnet sich:

$$\left. \begin{aligned} ap_1 + bq_1 &= 1 \\ ap_2 + bq_2 &= 1 \end{aligned} \right\} \bar{a} : \bar{b} : 1 = (q_1 - q_2) : (p_2 - p_1) : (p_1 q_2 - q_1 p_2) = \left| \begin{array}{cc} p_1 q_1 & 1 \\ p_2 q_2 & 1 \end{array} \right|$$

Umgekehrt berechnet sich unser Flächen-Symbol $p q = p : q : 1$ aus:

$$\left. \begin{aligned} a_1 p + b_1 q &= 1 \\ a_2 p + b_2 q &= 1 \end{aligned} \right\} p : q : 1 = (b_2 - b_1) : (a_1 - a_2) : (a_1 b_2 - b_1 a_2) = \left| \begin{array}{cc} \bar{a}_1 \bar{b}_1 & 1 \\ \bar{a}_2 \bar{b}_2 & 1 \end{array} \right|$$

¹⁾ Vergl. Index 1, 18. und 24.

Hexagonales System. Ableitung der Transformation

$$hkl \text{ (Miller)} = \frac{h-k}{h+k+l} \frac{k-l}{h+k+l} (G_1) \text{ (Index 1 S. 45 zuzufügen):}$$

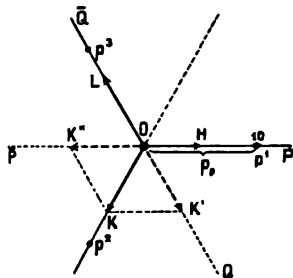


Fig. 20.

Das Symbol hkl bedeutet die Normale der damit bezeichneten Fläche. Es setzt sich als Resultante zusammen aus den drei Componenten $h:k:l$ in den Richtungen der Normalen auf die drei Flächen $p_1 p_2 p_3$ des Grundrhomboeders (Fig. 20 gnom. Proj.) ausgehend vom Krystallmittelpunkt M (Fig. 21 Aufriss).

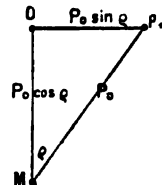


Fig. 21.

Ist die Einheit in der Richtung $Mp_1 = P_0$, so sind die drei Componenten $= hP_0, kP_0, lP_0$. Sie lassen sich in ihre horizontalen und verticalen Componenten zerlegen. Für die Poldistanz der Flächen $p_1 p_2 p_3 = \rho$ sind diese

Horizontal-Componenten: oH in Richtung $op_1 = hP_0 \sin \rho$
 oK " $op_2 = kP_0 \sin \rho$
 oL " $op_3 = lP_0 \sin \rho$ } in der Projektions-Ebene.

Vertical-Componenten: $hP_0 \cos \rho$
 $kP_0 \cos \rho$
 $lP_0 \cos \rho$ } Diese drei fallen in die gleiche Richtung und bilden eine Vertical-Resultante $= (h+k+l) P_0 \cos \rho$

Nehmen wir nun, wie immer im hexagonalen System, die Vertical-Intensität, hier $(h+k+l) P_0 \cos \rho$, zur Einheit, d. h. messen die Horizontalcomponenten durch diese aus, so haben wir:

$$oH = \frac{hP_0 \sin \rho}{(h+k+l) P_0 \cos \rho}; \quad oK = \frac{kP_0 \sin \rho}{(h+k+l) P_0 \cos \rho}; \quad oL = \frac{lP_0 \sin \rho}{(h+k+l) P_0 \cos \rho}.$$

Nun hat in den Symbolen G_1 das Grundrhomboeder p_1 das Zeichen 10. Daher ist die Länge $op_1 = op_2 = op_3$ unsere Einheit p_0 ; d. h. $P_0 \cos \rho = p_0$. Danach ist:

$$oH = \frac{hp_0}{h+k+l}; \quad oK = \frac{kp_0}{h+k+l}; \quad oL = \frac{lp_0}{h+k+l}.$$

Wir wollen aber die Horizontal-Componenten nicht auf die Richtungen op_1, op_2, op_3 beziehen, sondern auf oP, oQ (Fig. 20) und diese pp_0, qp_0 nennen. oH hat schon die Richtung oP ; oL hat die Richtung oQ negativ; oK zerlegen wir in oK' in Richtung oQ und oK'' in Richtung $-P$. oK', oK'' sind der Grösse nach $= oK$. Danach haben wir die Antheile:

$$\text{In Richtung } oP: \quad oH + oK'' = \frac{hp_0}{h+k+l} - \frac{kp_0}{h+k+l} = pp_0$$

$$\text{In Richtung } oQ: \quad oK' + oL = \frac{kp_0}{h+k+l} - \frac{lp_0}{h+k+l} = qp_0$$

$$\text{Daher sind unsere Symbolzahlen } pq(G_1): \quad p = \frac{h-k}{h+k+l}; \quad q = \frac{k-l}{h+k+l}.$$

Index I Seite 110 ist zuzufügen:

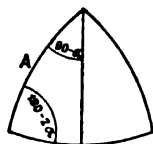


Fig. 22.

Gegeben für ein Rhomboeder der Polkanten-Winkel $2a$.

Gesucht der ebene Winkel A der Polkanten. (Fig. 22.)

$$\cos A = \operatorname{ctg} (180 - 2a) \operatorname{ctg} (90 - a) = -\operatorname{ctg} 2a \operatorname{tg} a$$

Für die Grenzfälle $2a = 60^\circ$; 90° ; $109^\circ 28'$

wird $A = 109^\circ 28'$; 90° ; 60°

Gdt. Winkeltabellen Seite 25 bei 5 : 13 lies 21 02'3 statt 21 04'9

" " " 29 Fig. 13 im zweiten Quadrant links lies $+\xi$ statt $+\xi_0$

" Index Bd. I " 6 nach Zeile 11 zuzufügen: *Grassmann, I. G.*, Pogg. Ann. 1833. 30. 1 Combinator. Entwickl. d. Kryst. Gestalten.

" " " " " 84 Zeile 9 vo lies $\lg \sin (\sigma - \lambda)$ statt $\lg (\sigma - \lambda)$

" " " " " " 10 " " $\lg \sin (\sigma - \mu)$ " $\lg (\sigma - \mu)$

" " " " " " 11 " " $\lg \sin (\sigma - \nu)$ " $\lg (\sigma - \nu)$

" " " " " 111 " 8 " nach Krystallmittelpunkt zuzufügen M

" " " " " 113 " 10 u. 11 " lies $\frac{\sin \lambda}{\sin \kappa}$ statt $\frac{\sin \varepsilon}{\sin \delta}$

" " " " " 124 " 15 vu " $\frac{\operatorname{tg} d \sin \sigma}{\sin \delta}$ " $\operatorname{tg} \frac{d \sin \sigma}{\sin \delta}$

" " " 3 " IV " 23 vo " identificirten statt indentificirten.

Einzelne Mineralien.

Ablohit. Für die Winkeltabelle wurde die Aufstellung *Miller* der des Index vorgezogen.

Adamin. Für die Winkeltabelle wurde die Aufstellung *Descloiseaux* der des Index vorgezogen.

Aesobynit. Für die Winkeltabelle wurde die Aufstellung *Rose* der des Index vorgezogen.

Akanthit. *Krenner* (Zeitschr. Kryst. 1884. 14. 390) gibt den Formen des Akanthit reguläre Deutung. Trotz der starken Gründe, die hierfür sprechen, wurde bis zur Abklärung der Frage die rhombische Deutung beibehalten.

Zur Ueberführung der rhombischen Symbole in die regulären dient die *Transformation*:

$$pq \text{ (Rhombisch)} = \frac{1+q}{2p} \frac{1-q}{2p} \text{ (Regulär);}$$

vgl. Zeitschr. Kryst. 1891. 19. 40.

Dana System 1892, Seite 58 Zeile 8 vu lies $\lambda(143)$ statt $x(143)$.

Allaktit. Für die Winkeltabelle wurde die Aufstellung *Sjögren* der des Index vorgezogen.

Gdt. Index Bd. I Seite 171 Zeile 4, 5, 8 vo lies 0'6127 statt 0'6115

" " " I " 171 Nr. 14 " $252 - \frac{5}{2}P\frac{5}{2} + 1\frac{5}{2}$ " $232 - \frac{3}{2}P\frac{3}{2} + 1\frac{3}{2}$

Alstonit. Für die Winkeltabelle wurde die Aufstellung *Miller* der des Index vorgezogen.

Amblygonit. Elemente und Symbole nach *Dana* System 1892. 781.

Amolbit wurde mit **Gerasdorffit** vereinigt. Vgl. *Dana* System 1892. 90.

Amphibol-Gruppe.

Gdt. Index Bd. I Seite 189 Elemente lies $p_0 = 0.5357$ statt 0.5350
Dana System 1892 " 386 Zeile 3 u. 5 vu " Y(170) " y(170)
 " " " " 387 " 6 vo " YY' " yy'

Aenigmatit-Cossyrit. Krystallsystem nicht sicher. Die Winkel sprechen für das triklin.
 Die Angaben von *Förstner* wurden durch *E. S. Dana* revidirt (Syst. 1892. 404) und
 Cossyrit mit Aenigmatit vereinigt. Nach *Dana's* Angaben wurden die Elemente und
 Symbole in die Winkeltabelle aufgenommen.

Andalusit. Für die Winkeltabelle wurde die Aufstellung *Haidinger* der des Index vorgezogen.

Anglesit.

Dana Syst. 1892 Seite 908 Zeile 3 vu 146 streichen. u(146) steht Z. 15 als gesichert.
 " " " " 909 " 7 vo lies $101^{\circ}33$ statt $88^{\circ}26$
 " " " " " " 8 " " $19^{\circ}02$ " $19^{\circ}31$
Lang Wien. Sitzb. 1859. 36. Seite 268 Zeile 13 vu lies $58^{\circ}18.1$ statt $59^{\circ}17.1$
 " " " " " " " " 9 " " $67^{\circ}27.4$ " $77^{\circ}27.4$

Anhydrit. *Dana* Syst. 1892 Seite 911 Zeile 2 vu lies $143^{\circ}9\frac{1}{2}$ statt $142^{\circ}9\frac{1}{2}$

Annerödrit. Für die Winkeltabelle wurde die Aufstellung *Brögger* der des Index vorgezogen.

Dana's Aufstellung (Syst. 1892. 741) giebt minder einfache Symbole.

Dana Syst. 1892 Seite 741 Zeile 7 vo lies $61^{\circ}16$ statt $62^{\circ}36$

Antimonblende. *Piatnitsky* gibt (Zeitschr. Kryst. 1892. 20. 417) das Axen-Verhältniss
 $a:b:c = 4.6448:1.1717:1$. Die Symbole vereinfachen sich durch die für die Winkel-
 tabelle angenommene *Transformation*:

$$pq(\text{Piat.}) = \frac{p}{3} q(\text{Gdt.}).$$

Folgende Formen sind angegeben:

$?a$	$?b$	$?c$	δ	u	$?e$	s	$?x$	λ	ω
$\frac{2}{3}0$	$\frac{1}{2}0$	$\frac{2}{3}0$	$\frac{3}{4}0$	10	$\frac{2}{3}0$	$\frac{3}{2}0$	$\frac{2}{3}0$	20	$\frac{2}{3}0$ Piat.
$\frac{2}{15}0$	$\frac{1}{6}0$	$\frac{2}{3}0$	$\frac{1}{4}0$	$\frac{1}{3}0$	$\frac{3}{8}0$	$\frac{1}{2}0$	$\frac{7}{12}0$	$\frac{2}{3}0$	$\frac{2}{3}0$ Gdt.

$?p$	ϱ	o	σ	$?r$	Σ	Θ	Δ	p	
$\frac{2}{3}0$	50	60	70	80	31	3	63	$\infty 0$	Piat.
$\frac{2}{6}0$	$\frac{2}{3}0$	20	$\frac{2}{3}0$	$\frac{2}{3}0$	1	13	23	$\infty 0$	Gdt.

Als unsicher wurden von diesen angesehen und in die Winkeltabellen nicht aufgenommen: $a \beta \gamma \varepsilon \kappa \mu \tau$.

Vielleicht sind noch einige andere unsicher. Sie sind folgendermassen charakterisirt: Δ bedeute Differenz zwischen Messung und Rechnung.

a Seite 423 $\Delta = 9'$; $1^{\circ}29'$ zeigt Längsstreifen und Querrisse.

" 425 schmal giebt kein Signal.

β " " schlecht; Sign. fehlt. S. 427 schlecht; Sign. kaum merkbar. $\Delta = 10'$; 1° .

γ " " schmal; längsgestreift. S. 426 faserig; Sign. undeutlich Kr. geknickt.

ε " 424 gerieft; $\Delta = 7'$; $50'$

κ " 425 Sign. gut. Statt $\frac{2}{3}0$ wäre wohl $\frac{2}{3}0$ zu setzen. $\frac{2}{3}0 : \infty 0 = 69^{\circ}21$; $\frac{2}{3}0 : \infty 0 = 68^{\circ}49$; beob. $\kappa p = 69^{\circ}4'$. $\Delta = 17'$ resp. $15'$.

μ Seite 424. 425. 427. 428. Sign. stets undeutlich. Messungen stimmen besser mit $\frac{4}{5}0$.
 Beob. $\mu p = 62^\circ 25'; 62^\circ 43'; 62^\circ 41'; 61^\circ 01'$. Ber. $\frac{4}{5}0 : \infty 62^\circ 40'; \frac{5}{6}0 : \infty = 61^\circ 43'$
 τ " 425 matt. Sign. fehlt.
 Gdt. Index Bd. 1 Seite 220 nach Z. 2 zuzufügen: *Kenngott* Min. Unters. Breslau 1849. 111

Antimonglanz. Für die Winkeltabelle wurde die Aufstellung *Mohs* der des Index vorgezogen.

Antimonilber. Für die Winkeltabelle wurde die Aufstellung *Lévy* der des Index vorgezogen.

Apatit. *Baumhauer* (Zeitschr. Kryst. 1891. 18. 40) stellt die Elementarwinkel zusammen. Sie entsprechen folgenden Elementen p_0 resp. c_{10} (G_1)

Achmatowsk, Laacher See	$p_0 = 0.8422$	$c_{10} = 0.7294$
Rothenkopf, Ala	0.8444	0.7313
Kirjabinsk	0.8458	0.7325
Jumilla	0.8459	0.7326
Knappenwand	0.8468	0.7333
Blakodat, Nordmarken	0.8472	0.7337
Gotthart, Tawetsch, Schwarzenstein, Floitenthal	0.8476	0.7340
Hiddenit-Grube	0.8479	0.7343
Turkistan	0.8481	0.7345
Smaragdgruben, Ehrenfriedersdorf, Pisek . .	0.8486	0.7349
Schlaggenwald	0.8491	0.7353

Die im Index aufgenommene Zahl 0.8453 steht der unteren Grenze nahe, die von *Dana* gewählte (Syst. 1892. 763) $c = 0.7346$ (*Koksich*) der oberen Grenze. Für die Winkeltabelle wurde ein mittlerer Werth $p_0 = 0.8472$ genommen.
Dana Syst. 1892 Seite 763 Zeile 17 vo lies $10^\circ 54'$ statt $13^\circ 54'$

Apophyllit $t = \frac{9}{10}$; $u = \frac{24}{25}$; $w = \frac{31}{30}$ wurden als vicinal weggelassen.

Zeitschr. Kryst. Bd. 17 Seite 53 (Fussnote) lies: durch F ersetzt, statt durch H ersetzt.

Aragonit. Für die Winkeltabelle wurde die Aufstellung *Mohs* der des Index vorgezogen.

Gdt. Index Bd. 1 Seite 240 Zeile 12 vo lies *Schmid* statt *Schmidt*.

Ardennit. Für die Winkeltabelle wurde die Aufstellung *Rath* der des Index vorgezogen.

Arksutit ist vielleicht = **Chiolith**. Bis zum sichern Nachweis wurde er für sich geführt.

Arquerit wurde mit **Amalgam** vereinigt (vgl. *Dana* Syst. 1892. 23).

Arsen. Statt des Elementes $p_0 0.9350$ (Index n. *Rose*) wurde $p_0 = 0.9342$ (*Zepharowich*) als genauer angenommen.

Gdt. Index Bd. 1 Seite 251 zuzufügen: $a : c = 1 : 1.4013$ (*Zepharowich*).

"	"	"	"	"	252	"	<i>Zepharowich</i>	Wien. Sitzb.	1875 (1)	71.	272
"	"	"	"	"	"	"	<i>Zenger</i>	"	1861	.	44 309

Arsenkies. Für die Winkeltabelle wurde das Mittel aus den Grenzwerten der Elemente des Index eingesetzt.

$a = 0.24$ ($0.1.24$) *Schmidt* (Zeitschr. Kryst. 1888. 14. 574) ist unsicher. Besser mit der Messung stimmt 0.21 ($0.1.21$)

$0.24 : 0.24 = 5^\circ 35'$	$0.21 : 0.21 = 6^\circ 20'$	nach <i>Schmidt's</i>	$aa = 6^\circ 22'$	} beob.
$0.24 : 0.6 = 8^\circ 15'$	$0.21 : 0.6 = 7^\circ 51'$			

Astrophyllit. Die von *Brögger* 1878 vorgeschlagene im Index des Verfassers gegebene tri-kline Deutung wurde 1890 (ZK. 16. 200) von *Brögger* durch eine rhombische ersetzt; später ab vertauscht. Letztere Aufstellung, von *E. S. Dana* (Syst. 1892. 719) an-
genommen, wurde der Winkeltabelle zu Grunde gelegt. Krystallsystem, Elemente und
Symbole sind noch immer unsicher. Die besonders unsicheren Formen $\beta = 0_{50}^I (0.1.50)$;
 $\lambda = 1\frac{5}{7} (767)$; $n = 1\frac{5}{8} (565)$ wurden weggelassen.

Atakamit. Für die Winkeltabelle wurde die Aufstellung *Hausmann* der des Index vorgezogen.
Gdt. Index Bd. 1 Seite 261 Zeile 10 vo lies 0.7515 statt 0.7545

Atalestit. *Gdt.* Index Bd. 3 Seite 404 Zeile 21 vo lies $1\frac{1}{3}$ statt 31
" " " " " " " 20 " " 313 " 311

Auripigment. Für die Winkeltabelle wurde die Aufstellung *Mohs* der des Index vorgezogen.

Axinit. Für die Winkeltabelle wurde die Aufstellung *Miller* der des Index vorgezogen.
Bei *Miller* ist der erste Quadrant oben links. Danach ist zu transformiren

$$pq(\text{Index}) = \frac{p}{q} \frac{r}{q} (\text{Winkeltabelle})$$

Gdt. Index Bd. 1 Seite 271 Zeile 16 vo lies $x'_0 = -0.2164$ statt $x'_0 = 0.2164$
" " " " " " " 17 " " $y'_0 = -0.0317$ " $y'_0 = 0.0317$

Baddeleyit. (*Fletcher*) Min. Mag. 1893. 10. 148. Z. K. 1895. 25. 297 = **Brazilit** (*Hussak*.) Jahrb.
Min. 1892. 2. 141. Der Name Brazilit wurde von *Hussak* zu Gunsten des Namens
Baddeleyit zurückgezogen. *Hussak's* Material war besser ausgebildet als das *Fletcher's*,
dessen Messungen der Hauptwinkel bis 3° schwanken. *Hussak's* Elemente wurden
desshalb der Tabelle zu Grunde gelegt.

$pq(\text{Fletcher}) \div \frac{p}{2} \frac{q}{2} (\text{Hussak})$. Welche Aufstellung vorzuziehen sei, lässt sich nicht be-
stimmt sagen.

Baryt. *Helmhacker.* Wien. Denkschr. 1872. 32. S. 49 Zeile 15 vo lies 121 21 statt 161 21
" " " " " " 50 " 6 " " 151 45 " 151 35
" " " " " " " " 11 " " 100 19 " 100 24 51
" " " " " " " " 23 " " 110 00 " 110 10 57
" " " " " " " " 16 vu " 103 43 " 102 24 31
" " " " " " " " 5 " " 106 46 " 104 47 44
" " " " " " " " 2 " " 102 39 " 102 22 20
" " " " " " 51 " 1 vo " 105 59 " 104 06 20

Barytocalcit. Index 1. 287 sind Axenverhältniss und Elemente unrichtig. Es ist zu setzen:
 $a:b:c = 1.2507:1:0.8476$ $\beta = 119^\circ 00$ (*Gdt.*)

Gdt. Index Bd. 1 Seite 287 Zeile 4 vo lies 1.2507:1:0.7413 statt 1.0939:1:0.7413
" " " " " " 9 " " 1.2507; 0.09717 statt 1.0939; 0.03898
" " " " " " 10 " " 0.8476; 992819; 0.07181; 987001; 1.1798;
0.7413; statt 0.7413; 986999; 0.13001;
981181; 1.3490; 0.6483
" " " " " " 11 " " 996100 statt 0.01920.

Gdt. Index Bd. 1 Seite 287 Col. *Gdt.* lies $-(p+1)q$; $(p-1)q$; $\frac{-2}{p+1} \frac{q}{p+1}$;
 $\frac{-2}{2p+1} \frac{2q}{2p+1}$ statt $(p+1)q$; $(1-p)q$;
 $\frac{2}{p+1} \frac{q}{p+1}$; $\frac{2}{2p+1} \frac{2q}{2p+1}$
 " " " " " Zeile 18 vo " $-(p+1)q$; $(p+1)q$; $-\frac{2+p}{p} \frac{2q}{p}$;
 $-\frac{2+p}{2p} \frac{q}{p}$ statt $(p-1)q$; $(1-p)q$;
 $\frac{2-p}{p} \frac{2q}{p}$; $\frac{2-p}{2p} \frac{q}{p}$
 " " " " " " 2 vu " $101 + P\infty - 10$ statt $101 - P\infty + 10$
 " " " " " " 1 " " $201 + 2P\infty - 20$ " $201 - 2P\infty + 20$.

Belonesit. *Scacchi A. u. E. Zeitschr. Kryst.* 1888. 14. 523
Dana E. S. Syst. 1892. — 992

Bertrandit. Für die Winkeltabelle wurde die Aufstellung *Bertrand* der des Index vorgezogen.

Beryll. *Gdt.* Index Bd. 1 Seite 298 Zeile 11 vo zuzufügen: 1858. 3. 72
Dana System 1892 " 405 " 18 " lies $m(1010, 1)$ statt $m(1011, 1)$
 " " " " " " 20 " zuzufügen: $D(2243, \frac{4}{3} - 2)$
 " " " " " " " " " $\chi(9 \cdot 7 \cdot 16 \cdot 9, \frac{16}{9} - \frac{16}{9})$

Beryllonit. *Gdt.* Index Bd. 1 Seite 366 Zeile 17 vu lies $\frac{2}{q} \frac{2p}{q}$ statt $\frac{1}{2q} \frac{p}{2q}$
Dana System 1892 " 759 " 10 vo " $43^\circ 43$ " $43^\circ 45$
Zeitschr. Kryst. Bd. 15 " 279 " 16 " " $75^\circ 56$ " $75^\circ 46$
 " " " " " " 27 " " $48^\circ 50$ " $43^\circ 50$

Beudantit. Die Form $+10 \cdot 10 (G_2) = +10 R$ nur *Dana System* 1873. 889 ohne nähere Angabe. *E. S. Dana* (System 1892. 868) hat sie weggelassen. Sie erscheint unsicher und ist bis zur Bestätigung zu löschen.

Gdt. Index Bd. 1 Seite 301 No. 2 die ganze Zeile zu löschen
 " " " " " 302 zuzufügen: *Lévy Ann. Phil.* 1826. 11. 195
 " " " " " " Zeile 3 vo lies 611 statt 589
 " " " " " " 4 " " 589 " 611

Beyrichit. *Laspeyres Zeitschr. Kryst.* 1892. 20. 535

Bieberit steht durch Versehen ausser Index 1. 303 noch einmal als Kobaltvitriol 3. 376 und ist dort zu streichen.

Bismit. *Nordenskjöld Pogg. Ann.* 1861. 114. 622 (Wismutoxyd). *Dana System* 1892. 200.
Nordenskjöld's Symbole vereinfachen sich durch die *Transformation*:

$$pq (Nsk.) \div \frac{2}{3} p \cdot \frac{2}{3} q (Gdt.); \quad pq (Gdt.) \div \frac{3}{2} p \cdot \frac{3}{2} q (Nsk.)$$

Diese *Transformation* wurde für die Winkeltabellen angenommen. Aehnlichkeit mit Tungstit, Valentinit, vgl. Tungstit.

Blödit. Für die Winkeltabelle wurde die Aufstellung *Rath* der des Index vorgezogen.

Bombicollit. Wurde weggelassen. Es ist eine CHO-Verbindung, deren Zusammensetzung unsicher ist und die schwerlich wieder zu mineralogischer Beobachtung kommen wird.

Borax. *Gdt.* Index Bd. 1 Seite 329 Zeile 14 vo lies: $\lg \cos \mu = 945547$, statt $\lg \sin \mu = 945547$.

Bournonit. Für die Winkeltabelle wurde die Aufstellung *Miller* der des Index vorgezogen.

Gdt. Index Bd. 1 Seite 329 No. 4 lies κ statt k (vgl. *Schmidt* Z. K. 1892. 20. 153)

Dana System 1892 " 127 Buchst. π η kommen zweimal vor. Es ist zu lesen ΠO .

r (134) ist unsicher, q (131) ganz unsicher (vgl. Index 1. 333).

Brandtit wurde mit Roselith vereinigt. Beob. Formen C A e f η φ ζ λ S (Buchst. Roselith) (*Dana* E. S. System 1892. 811). λ ist nur bei Brandtit beobachtet. Das unsichere $X = \frac{3}{4} \frac{3}{8}$ wurde weggelassen.

Braunit. Element nach *Flink* (Zeitschr. Kryst. 1892. 20. 368). Sein Material scheint das beste gewesen zu sein. Die Aufstellung *Miller* wurde der des Index vorgezogen.

Brazilit (*Hussak*) = **Baddeloyit** (*Fletcher*).

Breithauptit. Statt des im Index gegebenen Elements wurde das genauere nach Messungen von *Buss* angenommen (Jahrb. Min. 1895. 1. 119). Vielleicht wäre wegen Analogie mit Magnetkies, Wurtzit, Greenockit, Rothnickelkies p_o zu verdoppeln, doch werden die Symbole minder einfach. Spätere Beobachtungen können entscheiden. *Buss* giebt $s = 70$ entspr. 14°0 unserer Aufst. Beob. nur 1 Fl. Das Symbol ist auffallend. Beachtenswerth ist, dass *E. S. Dana* beim Magnetkies eine entsprechende Form fand. (Amer. J. 1876 (3) 11. 386; Syst. 1892. 73).

Breithauptit $sc = 81^{\circ}39$ (*Buss*) Magnetkies $yc = 81^{\circ}30$ (*Dana*).

Brewsterit. Nach der Correctur des Druckfehlers bei *Descloiseaux* $ph^1 = 93^{\circ}40$ statt $93^{\circ}04$ durch *E. S. Dana* (Syst. 1892. 577) ändern sich die Elemente (Index 3. 407) ein wenig.

Gdt. Index Bd. 1 Seite 407 Elemente lies:

$a = 0.4049$	$\lg a = 960735$	$\lg a_o = 968266$	$\lg p_o = 031734$	$a_o = 0.4816$	$p_o = 2.0765$
$c = 0.8408$	$\lg c = 992469$	$\lg b_o = 007531$	$\lg q_o = 992380$	$b_o = 1.1893$	$q_o = 0.8391$
$\mu = \left. \begin{array}{l} 86^{\circ} 20 \\ 180 - \beta \end{array} \right\}$	$\lg h = \left. \begin{array}{l} 999911 \\ \lg \sin \mu \end{array} \right\}$	$\lg e = \left. \begin{array}{l} 880585 \\ \lg \cos \mu \end{array} \right\}$	$\lg \frac{p_o}{q_o} = 039354$	$h = 0.9979$	$e = 0.0639$

Brochantit (**Warringtonit**). Durch Versehen wurde dies Mineral ausgelassen. Es ist Seite 79 zuzufügen. Wegen ungünstigen Materials sind Elemente und Krystallsystem nicht gesichert, trotz der eingehenden Untersuchungen von *Schrauf* (Wien, Sitzb. 1873. 67 (1) 275). Mit Rücksicht auf die bestehende Unsicherheit wurden nur die best bestimmten Formen aufgenommen. Der Winkelberechnung wurde das Mittel aus den rhombischen Elementen von *Miller*, *Kokscharow* und *Schrauf* untergelegt. Die Aufstellung *Schrauf* wurde der des Index vorgezogen.

Brochantit.

(Warringtonit.)

Rhombisch. (?)

a = 0.7777	lg a = 989081	lg a ₀ = 020008	lg p ₀ = 979992	a ₀ = 1.5852	p ₀ = 0.6308
c = 0.4906	lg c = 969073	lg b ₀ = 030927	lg q ₀ = 969073	b ₀ = 2.0383	q ₀ = 0.4906

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_0	η_0	ξ	η	X (Prismen) (x : y)	y	d = tg ϱ
1	c	0	001	—	0° 00	0° 00	0° 00	0° 00	0° 00	0	0	0
2	b	0∞	010	0° 00	90 00	"	90 00	"	90 00	"	∞	∞
3	a	∞0	100	90 00	"	90 00	0 00	90 00	0 00	∞	0	"
4	h	∞	110	52 07'	"	"	90 00	52 07'	37 52'	1.2859	∞	"
5	n	∞ $\frac{4}{3}$	340	43 57'	"	"	"	43 57'	46 02'	0.9644	"	"
6	d	∞2	120	32 44'	"	"	"	32 44'	57 15'	0.6430	"	"
7	e	0 $\frac{1}{2}$	012	0 00	13 47	0 00	13 47	0 00	13 47	0	0.2453	0.2453
8	i	01	011	"	26 08	"	26 08	"	26 08	"	0.4906	0.4906
9	v	10	101	90 00	32 14'	32 14'	0 00	32 14'	0 00	0.6308	0	0.6308
10	x	20	201	"	51 36	51 36	"	51 36	"	1.2617	"	1.2617
11	p	1 $\frac{1}{2}$	212	68 45	34 05'	32 14'	13 47	31 29'	11 43	0.6308	0.2453	0.6768

Brookit. Für die Winkeltabelle wurde die Aufstellung *Miller* der des Index vorgezogen.*Gdt.* Index Bd. 1 Seite 357 Zeile 12 vo lies 0.8416 statt 0.8443

Zeitschr. Kryst. " 24 " 429 " 20 " " 67°54 " 68°54

Brushit. Für die Winkeltabelle wurde *E. S. Dana's* Aufstellung (System 1892. 828) der des Index vorgezogen.

Calcit. Beim Calcit sind so viele Formen bekannt, dass die Grundzüge der Entwicklung klar liegen. Die Neuebeobachtungen bringen meist Formen der feineren Differenzirung von hochzahligem Symbol. Für solche ist besondere Vorsicht in Ermittlung der Position nöthig; es ist eine Discussion der Zahlenreihen und des Projectionsbildes und oft auf Grund der hieraus gezogenen Schlüsse eine Nachrechnung oder Nachmessung erforderlich. Bei der Häufigkeit des Materials, bei der Neigung zu Rundungen und anderen Unregelmässigkeiten liegt die Gefahr vor, dass eine Menge unsicherer Formen gerade für den Calcit angegeben werden. (Vgl. Index 1. 148.) Auch unter den in den Index aufgenommenen Formen finden sich unsichere, deren Auffindung und Entfernung nöthig ist. Unsicher und zu entfernen sind u. A.: No. 105. 110. 111.

Neue Formen finden sich in folgenden Publikationen, doch wagte ich nicht, sie ohne eingehendes Studium unter die Gesicherten aufzunehmen.

1. *Sanconi* Zeitschr. Kryst. 1886. 11. 352
2. " " 1891. 18. 82 Att. Ac. Torino 1888. 23
3. " " " 19. 321
4. " " 1892. 20. 597 Giorn. Min. 1890. 1. 129
5. *Thürling* Jahrb. Min. 1886 Bl. Bd. 4. 327 Inaug. Diss.

6. *Morton* Zeitschr. Kryst. 1886. 11. 319 Stockh. Vet. Ak. Förh. 1884. 8. 65
 7. *Cesaro* " 1888. 13. 431 Mem. Ac. Belg. 1886. 38. 1
 8. *Traube* " 1891. 18. 321 Jahrb. Min. 1888. 2. 252
 9. *Jeremjew* " 1890. 17. 625 Petersb. Min. Ges. 1889. 25. 353
 10. *Kemp* " 1892. 20. 416 Amer. Journ. 1890. 40. 62
 11. *Panebianco* " " " 178 Rivista 1889. 6. 21 (Kritik)
 12. *Gonnard* " " " " Bull. soc. franc. 1897. 20. 18.

Folgende Uebersicht möge einer Discussion vorarbeiten. Die Nummern beziehen sich auf obiges Literaturcitat. Δ bedeute Differenz zwischen Messung und Rechnung.

Buchst.	G ₁	G ₂	Naumann	Citat	Bemerkungen
ζ	$-\frac{19}{3}\frac{4}{3}$	-62	$-2R\frac{7}{3}$	1	Etwas gerundet, daher nicht sicher
	$-\frac{49}{23}\frac{12}{23}$	$-\frac{64}{23}\frac{28}{23}$	$-\frac{28}{23}R\frac{13}{7}$	1	Wohl identisch $-\frac{11}{4}\frac{5}{4}(G_2)$, dem es nahe steht
	+90	+9	+9R	18	-9 im Text, +9 in Fig. Schmal
8	$-\frac{28}{17}\frac{12}{17}$	$-\frac{52}{17}\frac{16}{17}$	$-\frac{16}{17}R\frac{5}{2}$	1	Wohl vicinal zu -31 (G ₂)
XX	$+\frac{5}{2}\frac{2}{2}$	$+\frac{5}{2}\frac{2}{2}$	$+\frac{5}{2}R3$	1	$\Delta = 1^\circ$
×	$+\frac{12}{4}\frac{2}{4}$	$+\frac{22}{4}\frac{2}{4}$	$+\frac{5}{2}R^2$	1	$\Delta = 1^\circ 30'; 50'$; Differenz der einzelnen Messungen 2°
♂	$+\frac{5}{2}\frac{2}{2}$	$+\frac{12}{2}\frac{12}{2}$	$+\frac{12}{2}R\frac{5}{3}$	1	$\Delta = 59'; 11'$; Differenz d. einz. Messungen $1^\circ 6'; 1^\circ 40'$
♀	$-\frac{17}{7}\frac{6}{7}$	$-\frac{23}{7}\frac{5}{7}$	$-\frac{5}{7}R\frac{17}{5}$	1	Messung annähernd.
	$+\frac{18}{8}\frac{11}{8}$	$+\frac{48}{8}1$	$+R\frac{12}{3}$	2	Wohl vicinal zu +51 = $R\frac{12}{3}$
	$+\frac{9}{2}\frac{2}{2}$	$+\frac{23}{2}1$	$+R^8$	3:11	S. 322 von <i>Panebianco</i> zurückgewiesen
	+22°0	+22°22	+22R	3	S. 323 von <i>Cesaro</i> bestätigt
	$+\frac{17}{2}\frac{12}{2}$	$+\frac{47}{2}1$	$+R^{16}$	3	S. 325 breit, gewölbt
	+20°0	+20°20	+20R	3	S. 326 zu vermuthen +19°19
	+18°0	+18°18	+18R	3	S. 334
	$+\frac{46}{26}\frac{26}{26}$	$+\frac{82}{26}1$	$+R\frac{31}{13}$	3	S. 334 Wohl Vicinale zu +41
	$+\frac{22}{12}\frac{12}{12}$	$+\frac{17}{12}1$	$+R\frac{12}{6}$	3	"
	$-\frac{20}{13}\frac{6}{13}$	$-\frac{32}{13}\frac{14}{13}$	$-\frac{14}{13}R\frac{13}{7}$	4	S. 597 Wohl Vicinale zu $-\frac{5}{2}1$
	$+\frac{21}{2}\frac{12}{2}$	$+\frac{52}{2}1$	$+R20$	4	S. 597 Wohl Vicinale zu $\infty 0$
	$-\frac{20}{17}\frac{4}{17}$	$-\frac{28}{17}\frac{16}{17}$	$-\frac{16}{17}R\frac{3}{2}$	4	S. 598 Wohl Vicinale zu $-\frac{5}{2}1$
	$-\frac{17}{17}\frac{7}{17}$	$-\frac{31}{17}\frac{10}{17}$	$-\frac{10}{17}R\frac{12}{5}$	4	S. 598
	+11°0	+11°11	+11R	5	S. 356 Zu erwarten +10°10 $\left. \begin{array}{l} 11^\circ 11: \infty \text{ ber. } 5^\circ 16 \\ 10^\circ 10: \infty \text{ " } 5^\circ 47 \end{array} \right\} \text{ gem. } 5^\circ 20$
	$-\frac{11}{6}0$	$-\frac{11}{6}$	$-\frac{11}{6}R$	5	S. 360
	-28°0	-28°28	-28R	5	S. 343 Fläche nicht ganz eben
	$+\frac{3}{2}\frac{2}{2}$	$+\frac{1}{2}$	$+\frac{1}{2}R^5$	5:6	S. 351 Auch von <i>Morton</i> beob., erscheint gesichert
	$+\frac{13}{10}\frac{3}{10}$	$+\frac{10}{10}1$	$+R\frac{3}{5}$	5	S. 348 An Durchwachsungsgrenze, dah. viell. beeinfl.
	$+\frac{32}{37}\frac{8}{37}$	$+\frac{38}{37}\frac{14}{37}$	$+\frac{14}{37}R\frac{13}{7}$	5	S. 371 Wohl vicinal zu $+\frac{12}{5}$, beeinfl. d. Durchwachsung
	$-\frac{17}{7}\frac{3}{7}$	$-\frac{8}{7}\frac{5}{7}$	$-\frac{8}{7}R\frac{7}{4}$	5	S. 360 Etwas convex
	$+\frac{6}{5}\frac{4}{5}$	$+\frac{14}{5}\frac{2}{5}$	$+\frac{2}{5}R5$	6	
	$-\frac{8}{5}\frac{1}{5}$	$-\frac{8}{5}1$	$-R\frac{7}{5}$	6	

Buchst.	G ₁	G ₂	Naumann	Citat	Bemerkungen
	$-\frac{24}{7}\frac{3}{2}$	$-\frac{30}{7}3$	$-3R\frac{9}{7}$	6	
	$+\frac{70}{100}\frac{1}{30}$	$+\frac{11}{100}\frac{1}{20}$	$+\frac{1}{20}R\frac{9}{3}$	6	Wohl vicinal zur Basis
	$+\frac{40}{300}\frac{14}{300}$	$+\frac{87}{300}\frac{7}{100}$	$+\frac{70}{100}R\frac{9}{3}$	6	Wohl vicinal zur Basis
	$+\frac{20}{21}\frac{2}{21}$	$+\frac{8}{7}\frac{9}{7}$	$+\frac{9}{7}R\frac{11}{9}$	7	
	$+\frac{18}{8}\frac{3}{8}$	$+\frac{17}{8}1$	$+R\frac{7}{4}$	7	
	$-\frac{17}{6}\frac{3}{6}$	$-\frac{2}{2}2$	$-2R\frac{11}{6}$	7	Vom Beobachter nur als wahrscheinlich bezeichnet
	$\pm\frac{15}{4}\frac{5}{4}$	$\pm\frac{25}{4}\frac{5}{2}$	$\pm\frac{5}{2}R2$	9	
	$+\frac{3}{3}\frac{9}{35}$	$+\frac{33}{35}\frac{7}{7}$	$+\frac{3}{7}R\frac{9}{3}$	10	Daneben steht, wohl für dieselbe Form $\frac{4}{7}R\frac{9}{3}$. Material ungünstig
	$+\frac{104}{77}\frac{13}{77}$	$+\frac{130}{77}\frac{13}{11}$	$+\frac{13}{11}R\frac{9}{7}$	10	Material ungünstig. Wie die vorhergehende unsicher
b $\frac{7}{4}$	$-\frac{4}{11}\frac{3}{11}$	$-\frac{10}{11}\frac{1}{11}$	$-\frac{1}{11}R\frac{7}{7}$	12	Glieder einer gestreiften Zone in einander übergehend nicht gesichert. b $\frac{9}{2}$ ist nicht neu
b $\frac{13}{6}$	$+\frac{7}{19}\frac{9}{19}$	$+\frac{1}{19}\frac{1}{19}$	$+\frac{1}{19}R\frac{13}{13}$	12	
b $\frac{17}{6}$	$+\frac{11}{23}\frac{9}{23}$	$+\frac{1}{23}\frac{3}{23}$	$+\frac{5}{23}R\frac{17}{13}$	12	
b $\frac{19}{6}$	$+\frac{7}{13}\frac{3}{13}$	$+\frac{1}{13}\frac{3}{13}$	$+\frac{4}{13}R\frac{5}{2}$	12	
b $\frac{9}{2}$	$+\frac{7}{11}\frac{2}{11}$	$+\frac{1}{11}\frac{5}{11}$	$+\frac{5}{11}R\frac{9}{9}$	12	
c $\frac{3}{4}$	$-\frac{7}{3}\frac{1}{3}$	-32	$-2R\frac{4}{3}$	12	M. mehr Fl. a. d. Kr. Zone [e $\frac{1}{2}$ e $\frac{1}{2}$] [e $\frac{2}{2}$ b $\frac{2}{2}$] = [-52: -2] [10: ∞] Messung. u. Rechn. stimm. zieml. gut
K ₁	$-2\frac{3}{2}$	$-5\frac{1}{2}$	$-\frac{1}{2}R\frac{7}{7}$	12	Nicht neu
K	$-\frac{7}{3}\frac{4}{3}$	-51	$-R\frac{11}{3}$	12	An vielen Kr. gut ausgeh. Sicher
J	$-\frac{23}{10}\frac{9}{10}$	$-\frac{41}{10}\frac{7}{10}$	$-\frac{7}{10}R\frac{16}{16}$	12	
U	$-\frac{36}{13}\frac{10}{13}$	$-\frac{74}{13}\frac{17}{13}$	$-\frac{17}{13}R\frac{33}{17}$	12	
V	$-\frac{59}{17}\frac{16}{17}$	$-\frac{91}{17}\frac{43}{17}$	$-\frac{43}{17}R\frac{73}{43}$	12	

Folgende neue Formen von Lake Superior Calciten verdanke ich der brieflichen Mittheilung von C. Palache (Cambridge Mass.) vom 11. Juni und 20. October 1896. Eine eingehende Discussion dieser Formen im Projectionsbild wie in den Zahlenreihen, eine daran geknüpfte Correspondenz, sowie Nachmessungen Palache's, wo nöthig, führten zu einer Abklärung, sodass die Formen als gesichert gelten können. Eine ausführliche Publication Palache's folgt nach.

Buchstabe	G ₂	Naumann	Bemerkungen von Palache
ψ	$\frac{4}{3}\infty$	$\infty P\frac{11}{10}$	An vielen Kr. m. all. Einzelfl. beob. An 3 gem. Fl. manchmal leicht gekrümmt, aber gewöhnl. m. scharfem Refl.
ω	$\frac{15}{3}0$	$\frac{25}{9}P2$	An 1 Kr. beob. 2 Fl. gem. vollk. Refl. Mess. u. Rechn. stimm. nahe
u:	$-\frac{11}{13}\frac{2}{13}$	$-\frac{2}{13}R4$	An 1 Kr. mit 4 Fl. beob. Schmal. Refl. schwach. Gut best. durch Zonenverband
Γ:	$+\frac{12}{4}4$	$+\frac{4}{4}R\frac{9}{8}$	Diese Zone sehr reich an Formen. Alle neuen Formen ausser Σ: Φ: an mehr als 1 Kr. Fl. schmal, öfters durch gestreifte Bänder verbunden. Refl. deutl. Messungen in vielen Zonen stimmen gut unter sich. Jede der neuen F. mindestens an 1 Kryst. für sich allein gef. Σ: Φ: nur an 1 Kr. zus. aber sehr gut ausgeh.
Δ:	$+\frac{54}{5}4$	$+\frac{4}{4}R\frac{7}{8}$	
Σ:	$+\frac{20}{5}4$	$+\frac{4}{4}R\frac{9}{8}$	
Θ:	$+\frac{16}{3}4$	$+\frac{4}{4}R\frac{11}{10}$	
Φ:	$+\frac{11}{2}4$	$+\frac{4}{4}R\frac{5}{4}$	
Λ:	$+\frac{40}{7}4$	$+\frac{4}{4}R\frac{9}{7}$	
U	$+62$	$+2R\frac{7}{3}$	An sehr vielen Kr. mit voller Flächenzahl; ausgez. Refl.

Buchstabe	G ₂	Naumann	Bemerkungen von Palache
Z	$+\frac{8}{3}\frac{4}{3}$	$+\frac{4}{3}R\frac{5}{3}$	An mehr. Kr. beob. An 10 mit allen Fl. An 2 gem. Refl. gut, obwohl Fläche manchmal theilweise geätzt
M	$+\frac{16}{5}\frac{4}{3}$	$+\frac{4}{3}R3$	An 1 Kr. mit 2 Fl. beob. Refl. ausgez. Messungen und Rechnungen stimmen gut
N	$+\frac{20}{11}\frac{8}{11}$	$+\frac{8}{11}R2$	An 3 Kr. mit allen Fl. an 1 Ende. Gute Refl.

Nach Druck der Tabellen theilt mir *Palache* (Juli 1897) folgende durch Messung und Discussion gesicherte Calcitformen von Lake Superior mit:

Buchstaben	G ₂	Naumann	Bemerkungen von Palache
II:	+43	$+\frac{1}{3}R\frac{11}{9}$	An mehr. Kr. An 1 Kr. scharfe Fl., gut Refl. An andern in Streifung nach Zone $+\frac{1}{4}q$
w:	$+\frac{5}{2}\frac{1}{2}$	$+\frac{1}{2}R\frac{11}{3}$	3 Fl. einer Zone an vielen Kr. Manchmal verbunden durch Zwischenformen. Aber jede auch allein gef. Fl. schmal, aber mit gut. Refl.
a	$+\frac{22}{7}\frac{6}{7}$	$+\frac{6}{7}R\frac{28}{9}$	
b	$+\frac{14}{5}\frac{3}{3}$	$+\frac{3}{5}R\frac{21}{9}$	
P	+92	$+\frac{2}{3}R\frac{10}{3}$	An 1 Kr. m. 2 Fl. Winkel und Zonenverband gut
D	$-\frac{7}{2}\frac{3}{2}$	$-\frac{3}{2}R\frac{11}{3}$	An 2 Kr. m. allen Fl., gut Refl.
E	$-\frac{7}{2}\frac{7}{22}$	$-\frac{7}{22}R^4$	An 1 Kr. Refl. schwach, aber Position gut. Zonenverband gut
F	$-\frac{7}{2}1$	$-R\frac{8}{3}$	" " " " " " " " " "
A	$-\frac{31}{8}\frac{5}{4}$	$-\frac{5}{4}R\frac{12}{3}$	An 1 Kr. mehr. Fl. Refl. gut. Zonenverband gut
B	$-\frac{64}{11}\frac{28}{11}$	$-\frac{28}{11}R\frac{13}{7}$	" " " " " " " " " "
C	$-\frac{18}{7}\frac{4}{7}$	$-\frac{4}{7}R\frac{10}{3}$	Hauptform an mehr. Kr. Von dem nahen $-\frac{11}{4}\frac{1}{2}$ sicher geschieden. <i>Irby</i> giebt diese Form, doch war sie unsicher

Hierzu gehören folgende Winkel:

No.	Buchstaben	Symb.	Bravais	φ	ϱ	ξ_0	η_0	ξ	η	χ (Prismen) (x : y)	y	d =tg ϱ
165	II:	+43	43 $\overline{7}1$	25° 17'	73° 54'	55° 57'	72° 17'	24° 13'	60° 18'	1'4792	3'1320	3'4640
166	w:	$+\frac{5}{2}\frac{1}{2}$	5162	8 57	57 45	13 51	57 26	7 33	56 40	0'2466	1'5661	1'5854
167	a	$+\frac{22}{7}\frac{6}{7}$	25'6'31'7	10 31	66 39	22 55	66 18	9 38	64 31	0'4227	2'2780	2'3170
168	b	$+\frac{14}{5}\frac{3}{3}$	14'3'17'5	9 31	60 48	16 29	60 28	8 18	59 26	0'2959	1'7654	1'7902
169	P	+92	9'2'11'1	9 49	80 11	44 36	80 02	9 41	76 08	0'9804	5'6950	5'7797
170	D	$-\frac{7}{2}\frac{3}{2}$	14'5'19'4	14 42	67 37	31 39	66 56	13 34	63 26	0'6165	2'3492	2'4286
171	E	$-\frac{7}{2}\frac{7}{22}$	77'14'91'44	8 13	47 41	8 55	47 23	6 04	47 03	0'1569	1'0872	1'0985
172	F	$-\frac{7}{2}1$	7292	12 13	66 46	26 15	66 18	11 13	63 55	0'4932	2'2780	2'3307
173	A	$-\frac{31}{8}\frac{5}{4}$	31'10'41'8	13 31	69 13	31 39	68 41	12 38	65 22	0'6165	2'5627	2'6358
174	B	$-\frac{64}{11}\frac{28}{11}$	64'28'92'11	17 16	76 41	51 27	76 05	16 47	68 19	1'2554	4'0383	4'2285
175	C	$-\frac{18}{7}\frac{4}{7}$	18'4'22'7	9 49	58 48	15 44	58 25	8 23	57 26	0'2818	1'6271	1'6513

Gdt. Index Bd. 1 Seite 375 No. 82 lies: (P) $\frac{12}{13}$ statt (Zephar.)

" " " " " 379 nach No. 137 zuzufügen:

E: — — — 14'2'16'3 11'3'5 + 4 R $\frac{4}{3}$ — — — + $\frac{13}{5}\frac{2}{3}$ + 64 + 46 + 1 $\frac{2}{3}$

" " " 1 Seite 380 Zeile 8 vo lies: — 16 statt — 16'16

Dana Syst. 1892 " 262 " 7 vu " 8'8'16'3 " 2'2'16'3

" " " " 264 " 1 vo " 13° 51' " 13° 5'

" " " " " " 10 " " 76° 08' " 96° 08'

Zeitschr. Kr. Bd. 11 Seite 352 Zeile 6 vu lies: $-\frac{2}{3}R \frac{1}{7}$ statt $\frac{2}{3}R \frac{1}{7}$
 " " " " " " " 5 " " $-\frac{1}{7}R \frac{2}{3}$ " $\frac{1}{7}R \frac{2}{3}$
 " " " " " " 354 " 5 " " $-\frac{2}{3}R \frac{1}{7}$ " $\frac{2}{3}R \frac{1}{7}$

Calceostrotrianit wurde mit Strontianit vereinigt.

Caledonit. *Schrauf* und *Jeremejew* betrachten den C. als monoklin. *E. S. Dana* (Syst. 924) und *Buss* (Jahrb. Min. 1895. 1. 111) halten am rhombischen System fest. Die gewählten Elemente entsprechen dem Mittel aus:

Miller 0'9163 : 1 : 1'4032 *Rath* 0'9195 : 1 : 1'4062

Kösch. 0'9175 : 1 : 1'4132 *Buss* 0'9187 : 1 : 1'4041

Möglich, dass der C. von *Leadhills* rhombisch ist, der von *Rumbanya* und *Beresowsk* monoklin? (*Buss* S. 115) $g = 0_8^1$, $\gamma = -0_{10}^1$, $\omega = 0_{12}^1$, $\chi = -0_{20}^1$, $H = 0_{22}^1$. Symb. unsicher, da Mess. in Zone ac ungünstig \perp Seite nicht sicher untersch. (*Schrauf* Wien. Sitzb. 1871. 64 (1) 179). Es ist zu vermuthen, dass z. B. χH eine rhomb. Gesamtform bilden.

Gemessen: $aH = 86\frac{1}{2}$ } (*Schrauf* S. 188)
 $a\chi = 86\frac{1}{2}$ }

$\Sigma = \frac{3}{2}$ ist nicht ganz sicher. 1 Mess. Refl. ausser Zone (*Schrauf* S. 189).

Gdt. Index Bd. 1 Seite 391 Elemente lies $\mu = 89^\circ 18$ statt $\mu = 90^\circ 42$

Carnallit. Für die Winkeltabellen wurde das Mittel aus den Elementen von *Hessenberg* und *Descloiseaux* genommen.

Gdt. Index Bd. 1 Seite 395 Zeile 4 vo lies 1.3891 statt 0.3891

Cerussit. Für die Winkeltabellen wurde die Aufstellung *Hausmann* der des Index vorgezogen.
Gdt. Index Bd. 1 Seite 403 No. 39 lies ν statt η

Chabasit. Die Formen des Gmelinit, Levyn, Phakolith, Herschelit sind unter die des Chabasit eingereiht (vgl. Herschelit diese Bemerkungen).

Chalcocement. Für die Winkeltabellen wurde die Aufstellung *Descloiseaux* angenommen, jedoch pq durch 4 getheilt. Einfacher werden die Symbole durch die *Transformation*.

$$pq \text{ (Winkeltabelle)} \doteq \frac{1 - \frac{2p}{3}}{\frac{2q}{3}} \text{ (II):}$$

a	c	m	f	g	δ	ϵ	β
0	∞	∞	+20	$-\frac{1}{4}0$	$+\frac{1}{2}$	$+\frac{1}{2}\frac{3}{2}$	$+\frac{1}{2}3$ (Winkeltabelle)
$-\frac{1}{2}0$	∞	∞	-10	$+\frac{1}{2}0$	$-\frac{1}{2}$	01	02 (II.)

Gdt. Index Bd. 1 Seite 411 Zeile 7 vo lies 969197; 983331 statt 069197; 083331

Chalcocement. *Rath* giebt $a:c = 1:1'8993$ aus $cp = 65^\circ 36$ (Pogg. Ann. 1874 Ergz. 6. 277). Das stimmt nicht und wurde von *Dana* (Syst. 1892. 570) verbessert in $1:1'9091$. Ersterer Werth wurde im Index aufgenommen und ist zu corrigiren. Für die Winkeltabellen wurden die verbesserten Elemente verwendet. Nämlich:

$$a:c_{10} = 1:1'9091; a:c_1 = 1:3'3067$$

Chalcosiderit. Für die Winkeltabellen wurde die Aufstellung *E. S. Dana* (Syst. 1892. 854) der des Index vorgezogen und *Dana's* Elemente angenommen.

Dana System 1892 Seite 854 Zeile 26 vu lies $64^\circ 41$ statt $115^\circ 19$

Childrenit. Für die Winkeltabelle wurde die Aufstellung *E. S. Dana's* der des Index vorgezogen.

Chiolith. Elemente nach Kokscharow 1862.

Chloritgruppe (Klinochlor, Ripidolith, Pennin, Kämmererit, Cronstedtit).

Die krystallographischen Verhältnisse sind unklar. Trotz eingehender Vergleichung der Publikationen wurde es mir nicht möglich, klar zu sehen. Von den angegebenen Formen sind die meisten unsicher wegen mangelhafter Ausbildung, versteckter Zwillingsbildung und Aehnlichkeit der Winkel in verschiedenen Richtungen.

Ich halte für wahrscheinlich, dass die verschiedenen Chloritarten isomorph sind, dass sich ihre Formen hexagonal deuten und auf das gleiche (in den Grenzen isomorpher Gruppen schwankende) Axenverhältniss beziehen lassen.

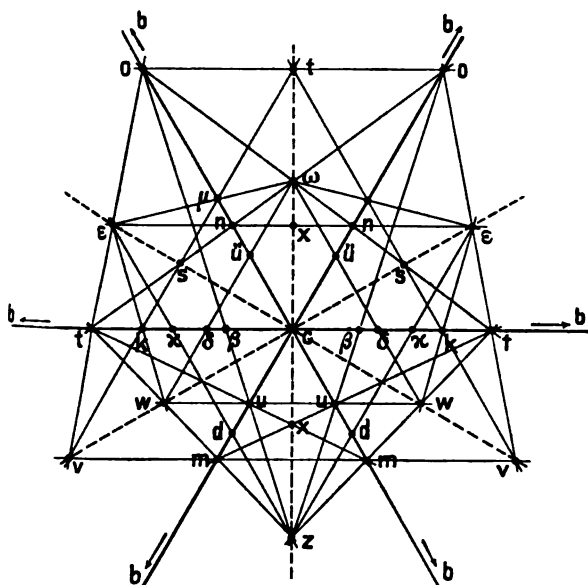


Fig. 23.

Das Projectionsbild (Fig. 23) zeigt das Bekannte so weit abgeklärt, als es mir möglich war; die wahrscheinlichsten Punkte an ihren wahrscheinlichen Ort eingetragen. Die Punkte der steilen Flächen q h z f sind des Raumes wegen weggelassen. Das Bild fordert zu mancherlei theoretischen Schlüssen heraus, die anzuführen ich unterlasse mit Rücksicht auf die Unsicherheit der Daten.

Nur zu der Form t möchte ich einiges bemerken¹⁾. t ist als ein wichtiger, vielleicht als primärer Knoten der Entwicklung anzusehen. Dafür spricht die Wichtigkeit und die normale Ausbildung der von t ausgehenden Zonenstücke. Wir erkennen das durch Verwandlung der Symbolzahlen in die Form $o \dots \infty$; nämlich:

Zone:	t	s	n	ω	o
Monokl. Symb. pq	$= o \frac{4}{3}$	$\frac{1}{2} \frac{3}{4}$	$\frac{2}{3} \frac{2}{3}$	$\frac{7}{2} 0$	1
— p	$= o$	$\frac{1}{4}$	$\frac{2}{3}$	$\frac{4}{7}$	1
p : (1 — p)	$= o$	$\frac{1}{3}$	$\frac{2}{3}$	$\frac{4}{3}$	∞
$\frac{3}{2} v$	$= o$	$\frac{1}{2}$	1	2	$\infty = \text{Normalreihe 2.}$

¹⁾ Vgl. Zeitschr. Kryst. 1897. 28. 32.

Für das hexagonale System sprechen:

1. Die sicher bestimmten Winkel von 60° der horizontalen Axen unter sich, von 90° dieser gegen die Vertical-Axe.
2. Die 60° Winkel der Schlagfigur.
3. Die Einfachheit der Symbole bei hexagonaler Deutung.
4. Die Vertheilung aller beobachteter Formen in sechs Radialzonen, von denen je drei sich unter 60° schneiden und auf den drei anderen senkrecht stehen.
5. Das in vielen Fällen einaxige optische Bild.

Gegen das hexagonale System sprechen:

1. Die Unvollzähligkeit der Flächen.
2. Das oft beobachtete zweiaxige optische Bild.
3. Die eigenartige Rolle der Flächen t im Formenverband.

Zone:	t	k	κ	δ	P
Monokl. Symb. pq	$= 0\frac{4}{3}$	01	$0\frac{4}{3}$	$0\frac{4}{3}$	0
$\frac{2}{3}q$	$= 1$	$\frac{2}{3}$	$\frac{2}{3}$	$\frac{2}{3}$	0
$v : (1 - v)$	$= \infty$	3	$\frac{3}{2}$	$\frac{3}{2}$	0
$\frac{2}{3}v$	$= \infty$	2	1	$\frac{1}{2}$	0 = Normalreihe 2

$\beta = 0\frac{4}{3}$ würde in die Reihe passen und sie zu $0\frac{1}{3} \frac{1}{2} 1 2 \infty$ erweitern. Doch stimmt das Symbol nicht gut mit dem berechneten Winkel $0\frac{4}{3} : 0$. Gemessen $46^\circ 46'$ (*Descloizeaux*); $46^\circ 16'$ (*Tschermak*); berechnet $45^\circ 07'$.

Die übrigen von t ausgehenden Reihen führen auf folgende einfache Form:

$$t n x m = 0 1 2 \infty; \quad t w m z = 0 1 3 \infty$$

Folgende Uebersicht giebt für die in die Winkeltabellen aufgenommenen Formen die monoklinen Symbole neben den hexagonalen und neben dem berechneten Winkel zur Basis (ϱ) den gemessenen resp. den als gerechnet vom Beobachter angegebenen (\cdot). Dabei bedeutet: K = *Kokscharow* (Mat. Min. Russl. 1857. 2. 7), Dx = *Descloizeaux* (Manuel 1862. 1. 442); H = *Hessenberg* (Min. Not. 1866. 6. 28); T = *Tschermak* (Wien. Sitzb. 1890. 99 (1) 174).

Hexagonale Elemente.

c = 3'3890	lg c = 053007	lg a ₀ = 970849	lg p ₀ = 035398	a ₀ = 0'5111	p ₀ = 2'2593
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Monokline Elemente.

a = 0'5773	lg a = 976144	lg a ₀ = 940746	lg p ₀ = 059254	a ₀ = 0'2555	p ₀ = 3'9133
c = 2'2593	lg c = 035398	lg b ₀ = 964602	lg q ₀ = 035398	b ₀ = 0'4426	q ₀ = 2'2593
$\mu = \left. \begin{matrix} 180 \\ 90 \end{matrix} \right\} - \beta$	$\lg h = \left. \begin{matrix} 0 \\ \lg \sin \mu \end{matrix} \right\}$	$\lg e = \left. \begin{matrix} - \\ \lg \cos \mu \end{matrix} \right\}$	$\lg \frac{p_0}{q_0} = 023856$	h = 1	e = 0

Hexagonal	Monoklin	Beobachtet	Berechnet	Hexagonal	Monoklin	Beobachtet	Berechnet		
b	$\infty 0$	$0 \infty \infty$	90° 00 K	90° 00	o	20	-1	77° 54 K	77° 31
β	$\frac{4}{3} 0$	$0 \frac{4}{3}$	46 46 Dx } 46 16 T }	45 07	$\frac{4}{3} x$	$\frac{4}{3} y$	$+\frac{4}{3} 0$	54 56 K	54 54
u		$+\frac{2}{3}$	52 08 K		s	$\frac{1}{2}$	$-\frac{1}{2} \frac{2}{3}$	(57 52) Dx	57° 26
δ	$\frac{4}{3} 0$	$0 \frac{4}{3}$	51 11 Dx	52 14	ω	$\frac{4}{3}$	$-\frac{4}{3} 0$	67 ca T	62 56
\ddot{u}		$-\frac{2}{3}$	52 04 T		w	$\frac{4}{3}$	$+\frac{2}{3} \frac{6}{3}$	(65 56) Dx	65 54
n		$-\frac{2}{3}$	61 32 K		s	$\frac{4}{3}$	$-\frac{2}{3} \frac{6}{3}$	(72 34) Dx	72 17
d	$\frac{4}{3} 0$	$+\frac{2}{3}$	60 55 K	61 03	z	$\frac{4}{3}$	$+\frac{4}{3} 0$	(72 07) Dx	
κ		$0 \frac{4}{3}$	59 30 Dx		i		-10	75 34 H	75 40
m		$+\frac{1}{2}$	66 03 K		v	1	$+\frac{1}{2} \frac{3}{2}$	75 39 T	
k	10	01	(66 18) Dx	66 07	q		-30	85 05 T	85 08
μ		$-\frac{1}{2}$	66 20 T		h	3	$+\frac{3}{2} \frac{2}{2}$	84 57 T	
t	$\frac{4}{3} 0$	$0 \frac{4}{3}$	71 49 K } 71 20 T }	71 38	f	4	-40	86 41 H	86 20
					f		+26		

Die Verwandlung der hexagonalen Symbole und Elemente in die monoklinen geschieht nach folgenden Formeln:

$$pq \text{ (Hexag.)} \div \left\{ \begin{array}{l} + \frac{p+q}{2} \cdot \frac{p-q}{2} \\ + \frac{p}{2} \cdot \frac{p+2q}{2} \\ + \frac{q}{2} \cdot \frac{q+2p}{2} \end{array} \right\} \text{ (Monokl.)} \quad \begin{array}{l} p_0 \text{ (Mon.)} = p_0 \sqrt{3} \text{ (Hex.)} \\ q_0 \text{ (Mon.)} = p_0 \text{ (Hex.)} \\ \mu \text{ (Mon.)} = 90^\circ \end{array}$$

Vgl. Zeitschr. Kryst. 1891. 19. 43. 44. Gegen die dort gegebenen rhombischen sind die pq vertauscht und halbiert; entsprechend sind die Elemente $p_0 q_0$ (Mon.) vertauscht und verdoppelt.

Gdt. Index Bd. 1 Seite 427 Zeile 5 vo lies: 3'047 (G_2) statt 3'047 (G_1)
 " " " 1 " 428 zuzufüg.: *Kokscharow*. Mat. Min. Russl. 1862. 4. 134 (Kämme-
 " " " " " " " " " " " 1866. 5. 55) rerit)
 " " " " " " " " *Cooke* Amer. Journ. 1867. 44. 201

Chrysoberyll. Für die Winkeltabellen wurde die Aufstellung *Mohs* der des Index vorgezogen.

Claudetit. Elemente und Symbole nach *Al. Schmidt* (Zeitschr. Kryst. 1888. 14. 575).

Cölestin. *Araruni* und *Thadeeffs* Mittel (Zeitschr. Kryst. 1895. 25. 51.) das mit *Millers* Elementen übereinstimmt, wurde der Rechnung untergelegt.

Stübers neue Formen $v_1 = \frac{5}{2} \frac{1}{2} (524)$ und $\frac{9}{8} 0 (908)$ sind unsicher. Beide gehen durch Rundung in einander über.

Gdt. Index Bd. 1 Seite 449

No. 16 lies: $h - - e^2 - - h \varepsilon_1$ statt $h - - e^2 - h \varepsilon_1 -$
 " 17 " $\zeta - - - - \zeta \varepsilon$ " $\zeta - - - - \zeta \varepsilon -$

Müder Min. 1852 Seite 528 Zeile 9 vo lies 22° 20 statt 22 20

"	"	"	"	"	"	6	"	"	sc	"	sb
"	"	"	"	"	"	7	"	"	sb	"	sc
"	"	"	"	"	"	15	"	"	74 33	"	50 00
"	"	"	"	"	"	16	"	"	60 54	"	69 23

Colemanit. Von den gut übereinstimmenden Messungen von *Rath*, *Hjört Dahl*, *Jackson* wurde das Mittel in Rechnung eingeführt.

Columbit. Für die Winkeltabellen wurde die Aufstellung *Schrauf* der des Index vorgezogen. Die Elemente nach *E. S. Dana's* Messungen. Tantalit mit Columbit vereinigt.

Copiapit. Elemente und Symbole nach *Linck* (Z. K. 1889. 15. 14) mit der Revision *E. S. Dana* (Syst. 1892. 964). Die Symbole sind unnatürlich complicirt. Eine Vereinfachung giebt die Transformation: $pq \text{ (Linck)} = \frac{2}{3} p \cdot \frac{2}{3} q \text{ (II)}$. Immerhin bedarf die Formenreihe der Abklärung durch Neubeobachtung an günstigerem Material.

Cordierit. Für die Winkeltabellen wurde die Aufstellung *Mohs* der des Index vorgezogen.

Gdt. Index Bd. 1 Seite 468 zuzufügen:

Hausmann 1859 S. 9 No. 16 lies $a : \frac{1}{3} b : \frac{4}{3} c$ statt $a : \frac{1}{3} b : \frac{1}{3} c$
 " " " " " 17 " $a : \frac{1}{3} b : \frac{1}{2} c$ " $a : \frac{1}{3} b : \frac{3}{2} c$

Cotunnit. *Dana* System 1892 Seite 165 zuzufügen: Cleavage a perfect nach *Schabus*.
 Goldschmidt, Winkeltabellen. 26

Cuepidin. Für die Elemente wurde das Mittel der Bestimmungen von *Rath* (Z. K. 1884. 8. 3 u. 9. 567) in die Rechnung eingeführt.

Gdt. Index Bd. 1 Seite 475 Elemente lies: $\mu = 89^{\circ}40$ statt $\mu = 90^{\circ}20$

Cyanochoelit. Für die Elemente wurde das Mittel aus den stark differirenden Angaben von *Brooke* und *A. Scacchi* genommen.

Danburit. Für die Winkeltabelle wurden die Axen PR resp. ac gegen Aufstellung des Index vertauscht.

Götz neue Formen $\alpha = \frac{2}{3}0$ (904); $\beta = \frac{1}{3}0$ (2. 9. 10) wurden nicht als gesichert angesehen.
Dana System 1892 Seite 490 Zeile 3 vu lies $165^{\circ}11$ statt $166^{\circ}11$

Darapakit. *Osann* Zeitschr. Kryst. 1894. 23. 584.

Datolith. *Dana* System 1892 Seite 502 Zeile 3 vu lies f (115) statt s (115); (s sonst zweimal)
" " " " " " 9 " " h (126) " A (126); (A " ")
" " " " " 503 " 16 " " WW' " ww'
" " " " " " 6 " " ii' " ii'
" " " " " " 1 " " $\Psi\Psi$ " $\psi\psi$
" " " " " " 3 " zu löschen: $\gamma\gamma' = 97^{\circ}11$
" " " " " 505 " 23 " lies 280 statt 28°
Zeitschr. Kryst. Bd. 18 " 286 " 9 " " E : { 431 } statt E : { 421 }

Descolizit. Im Gegensatz zum Index wurde das Krystallsystem rhombisch und die Elemente nach *Rath* (*Zeitschr. Kryst.* 1885. 10. 464) angenommen.

Diaphorit. Für die Winkeltabellen wurde die Aufstellung *Zepharowich* der des Index vorgezogen.

Dana System 1892 Seite 124 Zeile 21 vo lies $71^{\circ}54$ statt $66^{\circ}58$
Zepharowich Wien. Sitzb. 1871. 63 " 139 " 7 " " " " 66 58 18

Diaspor. Für die Winkeltabellen wurde die Aufstellung *Miller* der des Index vorgezogen.

Dana System 1892 Seite 246 o (292) ist unsicher. Vgl. Index Bemerkungen.

Dickinsonit. Die Elemente des Index sind nach *E. S. Dana* (System 1892. 809) verbessert.

Dietzelt. *Osann* Zeitschr. Kryst. 1894. 23. 588.

Dioptas. Als Element zur Berechnung der Winkel wurde das Mittel der Angaben von *Miller-Descloiseaux* und *Breithaupt-Kokscharow* angenommen: $a : c_{10} = 1 : 1.0622$

Dolerophanit. Die Symbole vereinfachen sich durch die *Transformation*:

$$pq \text{ (Index)} \longrightarrow (p+1)q \text{ (G}_2\text{)}$$

Die Aufstellung G_2 wurde den Winkeltabellen untergelegt.

$$\text{Gdt. Index Bd. 1 Seite 511 Transformation lies } -\frac{4}{3(p+1)} \frac{4q}{3(p+1)} \text{ statt } -\frac{4}{3p+1} \frac{4q}{3p+1}$$

Dolomit. *Dana* System 1892 Seite 272. Die Formen u z e β sind zu streichen (vgl. *Recke* Min. petr. Mitth. 1890. 11. 24; *Gdt. Index* 3. 415).

Edingtonit. *O. Nordenskjöld* giebt einen Edingtonit von *Bohlet* in Schweden als rhombisch an. $a:b:c=0.9872:1:0.6733$. Beob. Formen: $m=\infty(110)$, $p=0(001)$, $b\frac{1}{2}=1(111)$, $a_3=12(121)$, doch ist die Identität des Minerals mit dem Edingtonit nicht gesichert.
Dana System 1892 Seite 599 Zeile 19 vo lies $64^\circ 33$ statt $49^\circ 07$

Edisonit wurde mit Rutil vereinigt.

Eggonit ist kein selbständiges Mineral und wurde deshalb weggelassen.

Els. *Gdt.* Index Bd. 1 Seite 527 die Elemente durch die in d. Winkeltabelle geg. zu ersetzen.
 " " " " " " Zeile 4 vo lies 2.4294 statt 2.800

Eisenglanz.

Als Element wurde das Mittel von $a:c_{10}=1:1.359$ (*Levy, Miller*)
 und $=1:1.3656$ (*Koksch.*) } $=1:1.3623$ genommen.

Ueber *Bückings* neue Formen in *Dana System* 1892 Seite 214 vgl. *Gdt.* Index 1. 537
 Unsicher sind ferner θ T π ϵ ω vgl. Index 1. 536; 3. 415

Eisenspath. *Dana System* 1892 Seite 276. Die Form α ist unsicher vgl. Index 1. 540 Bemerk.

Eisenvitriol. *Dana System* 1892 Seite 942 Zeile 3 vo lies $\beta(121)$ statt $s(121)$ [s schon $= (105)$]
 " " " " " " 9 " " $\beta\beta'$ " ss'

Emplektit. Für die Winkeltabellen wurde die Aufstellung *Weisbach* der des Index vorgezogen.
Dana System 1892 Seite 113. Die Symbole mit dem constanten Faktor $\frac{2}{3}$ sind unhaltbar.

Enargit. Für die Winkeltabelle wurde die Aufstellung *Dauber* der des Index vorgezogen.

Endlichit. Var. d. Vanadinit wurde nicht als selbständige Art angesehen.

Eosit. *Gdt.* Index Bd. 1 Seite 553 Elemente lies

$\frac{c}{p_o f}$	$= 1.3778$	$\lg c = 0.13919$	$\lg a_o = 9.86081$	$a_o = 0.7258$
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Schrauf Wien. Sitzb. 1871. 63. 1 Seite 182 Zeile 20 vo lies 1.3778 statt 1.3758

Eosphorit. Für die Winkeltabelle wurde die Aufstellung *E. S. Dana* der des Index vorgezogen.
Gdt. Index Bd. 1 Seite 555 No. 2 lies 010 statt 001 .

Epididymit. *Flink.* Zeitschr. Kryst. 1894. 23. 353. Zur Vereinfachung der Symbole wurden

$$\text{Flinks } pq \text{ halbt. } pq (\text{Flink}) \div \frac{p}{2} \frac{q}{2} (\text{Gdt.}); pq (\text{Gdt.}) \div 2 p \cdot 2 q (\text{Flink}).$$

Flink Zeitschr. Kryst. 23 Seite 356 Zeile 19 vo lies (304) statt (403)

" " " " " " 20 u. 21 " " (403) " (304)

Epidot. *Dana System* 1892 Seite 516 Zeile 19 vu lies $\Delta(131)$ statt $\Delta(131)$

" " " " " " 5 " " $a'y$ " $a'w$

" " " " " " 2 " " $83^\circ 48\frac{1}{2}$ " $85^\circ 48\frac{1}{2}$

Epistilbit. Für die Elemente wurde das Mittel der Bestimmungen von *Rose* (Tenne) *Trechmann*, *Lüdecke* in die Rechnung eingeführt.

Erythrosiderit. Für die Winkeltabelle wurde die Aufstellung *Scacchi* mit den Elementen *E. S. Dana's* (Syst. 1892. 176) den Annahmen des Index vorgezogen.

Euchroit. Für die Winkeltabelle wurde die Aufstellung *Haidinger* der des Index vorgezogen.

Eudialyt. *Dana* System 1892 Seite 409 Zeile 4 vo lies $67^{\circ}42$ statt $31^{\circ}22$ (NB. $31^{\circ}22$ ist = zc).

Eudonophit ist nach *Brögger* (Z. Kr. 1890. 16. 565) Analcim und entfällt als eigne Art.

Euklas. Für die Winkeltabellen wurde die Aufstellung *Schabus* der des Index vorgezogen.

Gdt. Index Bd. 1 Seite 583 Zeile 8 u. 9 vo lies $91^{\circ}42$ statt $101^{\circ}42$

Dana System 1892 " 508 " 16 vu " $\delta\delta'''$ " $\theta\theta'''$

" " " " " 13 " " $\theta\theta'$ " $\theta\theta'$

" " " " " 12 " " ff' " $\varphi\varphi'$

Euxenit. Für die Winkeltabelle wurde die Aufstellung *Brögger* der des Index vorgezogen.

Fahlerz. *Gdt.* Index Bd. 2 Seite 1 No. 2 lies $-\frac{2}{3} \frac{1}{2}$ statt $-\frac{2}{3} \frac{1}{5}$.

Fairfieldit. Für die Winkeltabelle wurde die Aufstellung *Brush u. Dana* der des Index vorgezogen.

Famatit. Elemente = Enargit.

Fauserit. Nicht sicher definirte Art wurde weggelassen.

Feldspath-Gruppe

Orthoklas. $10^{\circ}8$ (*Solly* Z. Kr. 1885. 10. 524) ist unsicher, Fläche rau. Diff. d. Mess. 1° .
 12.10 (*Cathrein* Z. Kr. 1886. 11. 115) gab keinen Reflex. Approx. Messg. unsicher.
 $\frac{2}{3}0, \frac{1}{9}0$ (*Descloizeaux* Z. Kr. 1886. 11. 605). Unsicher. *Descloizeaux* kann nicht bestimmen angeben, ob die beob. Fl. $\frac{2}{3}0$ oder $\frac{1}{9}0$ sei.
 $-\frac{3}{8}0$ (*Cathrein* Z. Kr. 1891. 19. 189) ist wohl als Vicinale anzusehen.
 $0\frac{1}{2}$ (") gab keinen scharfen Reflex, nur ein Winkel gegeben. Die Form erscheint unsicher.

Oligoklas — Andesin — Labradorit. Für diese Zwischenglieder wurden die Winkel nicht ausgerechnet. Die Elemente des Labradorit sind unsicher, und die Winkel des Oligoklas und Andesin unterscheiden sich nur um Minuten von denen des Albit und Anorthit. Man kann sie durch Interpoliren zwischen beide finden. Das ist ebenso zuverlässig, vielleicht noch mehr, als die Bestimmung aus den nicht sicheren Elementen.

Albit. Die Elemente von *Schuster* erschienen nach der kritischen Art ihrer Bestimmung (Min. petr. Mitth. 1886. 7. 391) unter Ausscheidung versteckter Zwillingsbildung als die sichersten, wurden deshalb im Index angenommen. Sie weichen aber von denen der anderen zuverlässigen Beobachter wesentlich ab. Wegen der Wichtigkeit des Minerals und der theoretischen Bedeutung der Frage wurde die Winkeltabelle sowohl für die Elemente von *Schuster* als für die von *Brenina*, denen die übrigen nahe stehen, berechnet und abgedruckt (vgl. Index 2. 22).

Gdt. Winkeltabelle Seite 141 No. 13 lies 25 48 statt 64 12

" Index Band 2 " 27 " 3 " h— —ah " k— —qh—

" " " " " 33 " 23 " $\eta \dots 112 \frac{1}{2} P' \dots f^1 \frac{1}{2} O$

" " " " " 24 " $\omega \dots 112 \frac{1}{2} P' \dots d^1 \frac{1}{2} \frac{1}{2} O$

Dana System 1892 " 327 Ref. Rhomb. Schnitt zuzufügen *Gdt.* Ueb. Proj. und graph. Kr. Ber. 1887. 64

<i>Dana</i>	System 1892	Seite 328	Zeile 4	vu	lies	316	statt	216
"	"	"	"	338	" 8	vo	"	p (111)
"	"	"	"	"	" 9	"	"	g (221)
<i>Glinka</i>	Zeitschr. Kryst. 22	" 63	" 4	vu	"	{ 111 }	"	{ 111 }
<i>Franck</i>	"	" 23	" 477	" 16	"	{ 403 }	"	{ 403 }

Feuerblende. Krystallsystem, Elemente und Symbole etwas unsicher. Bis auf bessere Kenntniss mit Xanthokon vereinigt (vgl. *Miers*, Zeitschr. Kryst. 1894. 22. 461).

Flederit. *Rath's* Symbole sind ganz abnorm. Auch die Index 3. 371 sind nicht befriedigend. Zu einer Aufstellung G_2 mit etwas einfacheren Symbolen kommt man durch die *Transformation*:

$$pq \text{ (Rath)} = \frac{4}{3} p \cdot q (G_2)$$

G_2	$\infty 0$	0	$\infty (?)$	$\infty \frac{3}{4}$	$-\frac{4}{3} 0$	$-\frac{4}{3} 0$	$\frac{1}{6} 1$	$\frac{4}{7} 1$	$\frac{4}{3} 1$	1	$-\frac{1}{3} 1$
Buchst.	a	c	n	m	y	x	e	i	o	u	p
<i>Rath</i>	$\infty 0$	0	$\frac{6}{5} \infty$	∞	$-\frac{5}{3} 0$	$-\frac{5}{3} 0$	$\frac{5}{24} 1$	$\frac{5}{7} 1$	1	$\frac{5}{2} 1$	$\frac{5}{12} 1$

Bei n ist ∞ gesetzt statt $\infty \frac{25}{4}$, wie es die *Transformation* giebt. na beob. = $33^\circ 32'$ ber. = $32^\circ 36'$. Die Differenz ist gross, doch vielleicht aus *Rath's* Erwähnung der Flächenstörungen erklärlich. Neueobachtungen zur Aufklärung wären erwünscht.

<i>Gdt.</i> Index Bd. 3	Seite 371	Zeile 10	vu	lies:	0.8915	statt	0.8192
"	"	"	"	" 9	"	0.8192:1:0.8915	" 0.8915:1:0.8192
"	"	"	"	" 8	"	1.1026	" 1.200

Filowit. *Gdt.* Index Bd. 2 Seite 43 Elemente lies: 976 188 statt 876 188

Fischerit. Für die Winkeltabelle wurde *Kokscharows* Aufstellung der des Index vorgezogen.

Flinkit. *Hamburg.* Geol. För. Förh. 1889. Zeitschr. Kryst. 1891. 19. 102.

$p = 0.16$; $m = 0.4$; $n = 0.2$ wurden als unsicher weggelassen.

Hamburg. Zeitschr. Kryst. Bd. 19 Seite 103 Zeile 15 vo lies: $60^\circ 47'$ statt $60^\circ 27'$

Fluocerit. *Nordenskjöld.* Stockh. Ofvers. Ak. Förh. 1870 Seite 550 lies $119^\circ 14'$ statt $118^\circ 14'$

Flusspath. *Gdt.* Index Bd. 2 Seite 51 No. 7 lies e statt q

Freieslebenit. Für die Winkeltabellen wurde die Aufstellung *Miller* der des Index vorgezogen.

Gdt. Index Bd. 2 Seite 57 und 59 zuzufügen:

e	430	$\frac{4}{3} \infty$	o	032	$0\frac{3}{2}$
d	450	$\infty \frac{5}{4}$	i	051	05
q	018	$0\frac{1}{8}$	φ	112	$-\frac{1}{2}$
σ	054	$0\frac{3}{2}$			

" " " 2 Seite 58 zuzufügen: *Bücking* Zeitschr. Kryst. 1878. 2. 425.

Friedellit. Die Elemente von *Bertrand* $c_{10} = 0.5624$ und von *Flink* $c_{10} = 0.5317$ differiren stark. Es wurde das Mittel mit 0.5470 in Rechnung gestellt.

Gadolinit. Für die Elemente wurde das Mittel der Angaben von *Descloiseaux* und *Eichstädt* (Zeitschr. Kryst. 1887. 12. 523) eingeführt. $\beta = +\frac{1}{2}$, $d = +12$ wurde nach *Eichstädt* als fraglich bezeichnet.

Ganophyllit. *Hamburg.* Geol. För. Förh. 1890. 12. 586. Zeitschr. Kryst. 1892. 20. 387.

Gerhardt. Die hochzahligen Symbole $\frac{7}{10}$ und $\frac{13}{20}$ erscheinen in Anbetracht der starken Winkelschwankungen als unsicher.

Glaserit. Ueber das hexagonale System des Glaserit vergleiche:
Scacchi, Att. Ac. Napoli (1870) 1873. 5. 29. (Aftalosa.)
Bücking, Zeitschr. Kryst. 1889. 13. 567. Anm.
Strüver, Rend. Ac. Linc. 5. 750. Zeitschr. Kryst. 1892. 20. 174. (Aphtalose.)

Glauberit. *Gdt.* Index Bd. 2 Seite 87 No. 10 lies $\varepsilon \varepsilon$ statt $e e$

Glaubersalz. *Gdt.* Index Bd. 2 Seite 89 Elemente lies 997352 statt 995672

Glaukodot. In die Rechnung wurde der Mittelwerth der Elemente von *Lewis* und *Buck* eingeführt.

Glimmer. Das Krystallsystem ist unsicher. Wahrscheinlich monoklin oder hexagonal. Es wurden die Winkel mit Symbolen rhombischer Deutung (monoklin, $\beta = 90^\circ$) angeschrieben. Die Positionswinkel sind davon nicht abhängig. Von allen Formen sind nach *Desclizeaux* nur $P o m M p z y d t x$ als sicher anzusehen. Alle anderen sind zweifelhaft.

Gmelinit. Die Formen des Gmelinit wurden unter die des Chabasit eingereiht.

Göthit. Für die Winkeltabelle wurde die Aufstellung *Mohs* der des Index vorgezogen.

Granat. *Gdt.* Index Bd. 2 Seite 107 nach No. 1 zuzufügen: F 106 $\frac{1}{2} o$ 60 60.

Graphit. $a : c_{10} = 1 : 1386$ $p_o = 996569$ entspricht besser *Kenngott's* $p_o = 58^\circ$ als das 1399 des Index. Die Aenderung wurde für die Winkel angenommen. Sie ist nicht wesentlich in Betracht der Ungenauigkeit der Bestimmung.

Greenockit. Die Bestimmungen des Elements durch *Kokscharow* $c_{10} = 0.8126$ und durch *Mügge* $c_{10} = 0.8109$ erscheinen als die genauesten. Sie differiren wenig. Das Mittel $c_{10} = 0.8118$; $c_1 = 1.4061$ wurde der Rechnung untergelegt.

Die Formen $g = \frac{1}{2} o (1014)$; $h = \frac{1}{2} o (1013)$ sind zu löschen. *Groth* (Strassb. Samml. 1878. 30) giebt eine unsichere Form zwischen beiden, *Mügge* (Jahrb. Min. 1882. 2. 22. Fussn.) erwähnt einen äusserst schwachen Reflex von Lage $\frac{1}{2} P$, nimmt aber die Form nicht auf.

Gdt. Index Bd. 2 Seite 115 sind die Zeilen No. 8 und 9 zu löschen.

Guarinit. Für die Winkeltabellen wurden gegen die Aufstellung des Index $p q i$ in $q i p$ vertauscht.

Guejarit ist nach *Penfield's* Untersuchungen identisch mit *Wolfsbergit* und wurde mit diesem vereinigt.

Gyps. Für die Winkeltabelle wurde die Aufstellung *Mohs* der des Index vorgezogen.

Die neue Form $\xi = +\frac{1}{3} \frac{2}{3} (123)$ wurde von *A. Nies* als Gleitfläche scharf und gross ausgebildet an Gyps von Girenti beobachtet. Bestimmt durch die Zone $\lambda b = \frac{1}{3} o : o \infty$ und den Winkel $\xi \lambda = 14^\circ 31'$; berechnet $14^\circ 32'$. (Ber. Oberrh. geol. Ver. 1896. 9. Apr.) $\delta = \infty \frac{2}{3} (350)$ von *Kraatz* beobachtet. (Zeitschr. Kryst. 1897. 27. 604.)

Dana Syst. 1892 Seite 934 Zeile 4 vo lies: $a e = 87^\circ 29'$ statt $d e = 87^\circ 49'$.

Hambergit. Für die Winkeltabelle wurde die Aufstellung *Brögger* def des Index vorgezogen.

Hamilit. *Penfield* und *Hidden*. Am. Journ. 1890. 39. 511. Zeitschr. Kryst. 1892. 20. 415.

Hannayit. Für die Winkeltabelle wurde die Aufstellung *Rath* der des Index vorgezogen.

Harmotom. Für die Winkeltabelle wurde die Aufstellung *Descloiseaux* der des Index vorgezogen.

Harstigit. *Dana* Syst. 1892 Seite 532 Zeile 17 vu lies: an statt am.

Hausmannit. Für das Element wurde das Mittel aus den Angaben von *Dauber* und *Flink* (Zeitschr. Kryst. 1892. 20. 369) genommen.

Hauyn. *Gdt.* Index Bd. 2 Seite 141 No. 4 lies: 2 O 2 statt 2 O.

Hedyphan. *Sjögren*. Bull. Geol. Inst. Upsala 1892. 1. 1. Zeitschr. Kryst. 1895. 24. 140.

Helvin. *Dana* Syst. 1892 Seite 434 Zeile 12 vo lies; $\beta(323)$ statt $\beta(322)$.

Herderit wurde nach *Penfield* (Z. Kr. 1894. 23. 118) monoklin gegeben. Der Rechnung wurden nach *Penfield's* brieflichem Vorschlag (5. Juni 1896) nur die Elemente des Hydroherderit untergelegt, weil durch Wechsel von F mit OH die Zusammensetzung und damit die Elemente des Hydrofluor-Herderit schwanken. Das von *Penfield* als unsicher bezeichnete $\gamma = \frac{1}{2} 2$ uns. Aufst. wurde weggelassen.

Herrengrundit. Gegen die Aufstellung des Index wurden die Axen P R resp. A C vertauscht. An Stelle von $\delta = \frac{1}{2} 0$, $d = -\frac{1}{2} 0$ ist vielleicht $\pm \frac{1}{2} 0$ zu setzen. Gem.: $\delta c = 46^\circ 44' - 48^\circ 01'$; $d c = 47^\circ 42' - 49^\circ 04'$. Berechn.: $+\frac{1}{2} 0:0 = 49^\circ 28'$; $-\frac{1}{2} 0:0 = 49^\circ 50'$. Jedenfalls ist $\pm \frac{1}{2} 0$ in Betracht des complicirten Symbols und der starken Winkelschwankungen unsicher.

Herschelit. Die Formen des Herschelit wurden mit denen des Chabasit vereinigt. Sie sind, bezogen auf das Element des Chabasit (Aufst. G₂): $m = \infty$, $a = -\frac{1}{4}$, $\beta = -\frac{1}{2}$.

Bei *Descloiseaux* (Manuel 1862. 1. 398) stimmen die gerechneten Winkel nicht zu den Symbolen und dem angenommenen Element des Gmelinit. Es ist vielmehr zu setzen: a^{10} statt a^7 ; $a^{\frac{1}{2}}$ statt $a^{\frac{1}{4}}$. Messung und Rechnung differiren stark; die Messungen sind nur genähert. Trotzdem sind die Symbole wegen ihrer Einfachheit wahrscheinlich. $-\frac{1}{2}$ ist beim Chabasit bekannt.

Hjelmit. *Weibull* Geol. För. Förh. 1887. 9. 371. Zeitschr. Kryst. 1889. 15. 104.

Dana Syst. . . . 1892. 741

Weibull Zeitschr. Kryst. 15 Seite 105 Zeile 1 vo lies: $\{201\}$ statt $\{102\}$

Hintzeit (Milch) = **Helntzit** (Lüdecke). Der Name *Hintzeit* wurde vorgezogen, da er einen bekannten Mineralogen ehrt, während *Dr. Heints* der Mineralogie fern steht.

Gdt. Index Bd. 3 Seite 373 Zeile 13, 14, 15 vo zuzufügen: $-\frac{1}{2}$, 112, 0

Dana Syst. 1892 " 885 " 17 " lies: 2'1937 statt 2'9137

Hjortdahlit. Elemente nach *Dana* Syst. 1892. 377. Die Winkel sprechen für das tetragonale System.

Vergleich. Wöhlerit: $p_0 = 0.338$ $q_0 = 0.357$ $r_0 = 1$ $\lambda\mu\nu = 90^\circ$ (Dauber)

Zirkon: $p_0 = 0.640$ $q_0 = 0.640$ $r_0 = 1$ $\lambda\mu\nu = 90^\circ$ (Kupf.)

Tapiolit: $p_0 = 0.646$ $q_0 = 0.646$ $r_0 = 1$ $\lambda\mu\nu = 90^\circ$ (Nsk.)

Fergusonit: $p_0 = 1.464$ $q_0 = 1.464$ $r_0 = 1$ $\lambda\mu\nu = 90^\circ$ (Haid.)

Dana Syst. 1892 Seite 377 Zeile 26 vu lies: M (110) statt M (110)

" " " " " " 25 " " g (111) " g (111)

Hopelt. Für die Winkeltabellen wurde die Aufstellung *Haidinger* der des Index vorgezogen.

Humit-Gruppe: Chondrodit. *Sjögren* (Upsala Geol. Inst. 1892. Zeitschr. Kryst. 1895. 24. 142) giebt die neuen Formen: $+\frac{1}{2}n = +21$; $-\frac{1}{2}n = -31$; $+\frac{1}{2}m = +\frac{2}{3}$; $+\frac{1}{11}m = +\frac{4}{3}\frac{2}{3}$; $-\frac{1}{2}n(?) = -\frac{2}{3}1$; $-\frac{1}{2}1(?) = -1\frac{1}{2}$.

Gdt. Index Bd. 2 Seite 167 zuzufügen: *Scacchi*, E. Rend. ac. Nap. 1883. Dec. Zeitschr. Kryst. 1884. 9. 585.

"	"	"	"	"	169 Zeile 11 vo lies:	5'6588	statt	3'1438
"	"	"	"	"	171 zuzufügen:	38 A	— e ^a —	501 — 5 P [∞] — — + 50
"	"	"	"	"	"	39 H	— e ^β —	702 — $\frac{1}{2}$ P [∞] — — + $\frac{1}{2}0$
"	"	"	"	"	"	40 I	— e ^γ —	11'0'4 — $\frac{1}{4}$ P [∞] — — + $\frac{1}{4}0$
"	"	"	"	"	"	41 i	— n ^a —	211 — 2 P ² — — + 21
"	"	"	"	"	"	42 x	— o ^a —	144 + P ⁴ — — — $\frac{1}{4}1$
"	"	"	"	"	"	43 λ	— o ² —	184 + 2 P ⁸ — — — $\frac{1}{4}2$
"	"	"	"	"	175	35 X	— e ^δ —	102 — $\frac{1}{2}$ P [∞] — — + $\frac{1}{2}0$
"	"	"	"	"	"	36 Δ	— e ^γ —	108 + $\frac{1}{8}$ P [∞] — — — $\frac{1}{8}0$
"	"	"	"	"	"	37 μ	— o —	142 + 2 P ⁴ — — — $\frac{1}{2}2$

Hureauult. *Descloizeaux* gab ein Formenverzeichniss (Ann. Chim. 1858 (3) 53. 293). Die Symbolreihe war unnatürlich complicirt und wurde vom Verf. angezweifelt. (Index 1890. 2. 182.) *E. S. Dana* untersuchte neues besseres Material (Amer. Jour. 1890. 39. 207. Syst. 1892. 832.) Er giebt das Axenverhältniss:

$$a:b:c = 1.9192:1:0.5245 \quad \beta = 95^\circ 59$$

und folgende Formen:

	<i>E. S. Dana</i>			<i>Descloizeaux</i>			<i>Gdt.</i>	
1	b	000	010	—	—	—	000	010
2	a	∞0	100	h ¹	∞0	100	∞0	100
3	m	∞	110	m	∞	110	∞	110
4	ε	—2	221	ε	$-\frac{1}{10} \frac{1}{10}$	9'11'10	01	011
5	c	0	001	o ⁵	$+\frac{1}{3}0$	105	—10	101
6	a	—40	401	a ⁸ ₁₃	$-\frac{8}{13}0$	8'0'15	+10	101
7	β	—50	501	—	—	—	+ $\frac{3}{2}0$	302
8	z	—62	621	—	—	—	+21	211
9	l	—84	841	—	—	—	+32	321
10	δ	+1	111	δ	$-\frac{4}{3} \frac{3}{8}$	435	— $\frac{3}{2} \frac{1}{2}$	312
11	k	—51	511	k	$-\frac{1}{8} \frac{5}{8}$	19'5'8	+ $\frac{3}{2} \frac{1}{2}$	312
12	p	$+\frac{2}{3}$	223	—	—	—	— $\frac{4}{3} \frac{1}{3}$	413
13	?q	$-\frac{2}{2} \frac{3}{2}$	532	x	$-\frac{1}{10} \frac{0}{10}$	11'9'10	+ $\frac{1}{4} \frac{3}{4}$	134

Dana's Deutung bringt noch immer hochzahlige Symbole. Die Zahlenreihe wird aber normal durch die *Transformation*:

$$p q (Dana) \div - \left(\frac{p}{2} + 1 \right) \frac{q}{2} (Gdt.)$$

Die so gewonnenen Symbole sind oben unter (*Gdt.*) gegeben. Zu ihnen gehören, berechnet aus *Dana's* Messungen, die Seite 184 angegebenen Elemente.

Dana konnte die Formen von *Descloiseaux's* Typus 2 mit den seinigen identificiren. Für die des Typus 1 gelang es ihm nicht. Auch mir ist es nicht gelungen, sie organisch dem Formensystem des Hureaulit einzureihen. Sollten sie einer anderen Krystallart angehören?

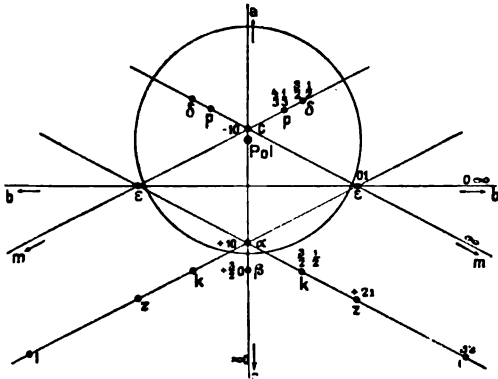
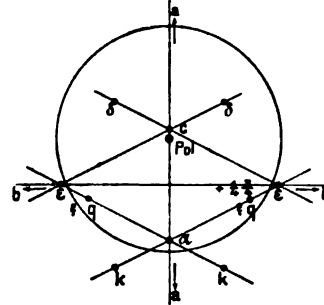


Fig. 24, Dana's Formen.

Fig. 25, *Descloiseaux's* Typ. 2.

Für die Wahl obiger Aufstellung (*Gdt.*) sprechen ausser der Einfachheit der Symbole die Projectionsbilder Fig. 24 (*Dana's* Formen) und Fig. 25 (*Descloiseaux's* Typ. 2). Sie zeigen die wichtigsten Punkte an den bevorzugten Stellen, 0∞ , $\infty 0$, ∞ , 01 , ± 10 .

Ein Vergleich beider Figuren zeigt die Richtigkeit von *Dana's* Identification. Wir sehen *Descloiseaux's* Formen die gleichen Hauptpunkte einnehmen; die gleichen Zonen, nur schwächer besetzt. Auch das fragliche *q* reiht sich gut ein.

Dana Syst. 1892 Seite 832 Zeile 7 *vu* lies; $45^\circ 10$ statt $49^\circ 10$.

Hydromagnetit. Kryst. System unsicher. Mit *Dana* (System 1892. 304) rhombisch resp. monoklin $\mu = 90^\circ$ angenommen.

Idokras. Spezielle Discussion zeigt, dass die Aufstellung *Lévy* vorzuziehen ist. $p_0 = 0.7603$. Für die Winkeltabellen wurde trotzdem die Aufstellung *Mohs-Zepharowich* beibehalten, da sie allgemein üblich ist.

$e = 35$, $r = 46$, $g = \frac{5}{2}10$, $F = 7.13$ sind nicht sicher. (*Groth* und *Bücking*, Strassb. Samml. 1878. 199. 200) e , r gestatteten nur approx. Messung. g war stets uneben und gebrochen. F , schmal aber glänzend, dürfte als Vicinale zu $\infty 2$ anzusehen sein.

Gdt. Index Bd. 2 Seite 198 zuzufügen:

Miller Min. 1852 Seite 327 Zeile 16 *vu* lies 101 , 001 statt 010 , 001

Dana Syst. 1892 Seite 478 Zeile 1 *vo* $Q = (10 \cdot 10 \cdot 1)$ ist unsicher
 " " " " " " 5 " $Y = (17 \cdot 4 \cdot 4)$ } (*Körn*) ganz } vgl. Index Bemerk.
 " " " " " " 11 " $A = (544)$ } unsicher }

Johnstrupit wurde mit Mosandrit vereinigt. Für die Winkeltabelle wurde die Aufstellung *Brögger* der des Index vorgezogen.

Jordanit. *Dana* Syst. 1892 Seite 141 Zeile 8 *vu* lies $50^\circ 04$ statt $50^\circ 41$
 " " " " " " 5 " " $127^\circ 34$ " $152^\circ 20$

Kalnit. Für die Winkeltabelle wurde die Aufstellung *Groth* der des Index vorgezogen.

Kalialpeter. Für die Winkeltabelle wurde die Aufstellung *Mohs* der des Index vorgezogen.

Kalomel. *Dana Syst.* 1892 Seite 153 Buchst. β zweimal; $\beta = 1\frac{1}{2}$ (313) ist unsicher, vgl. Index 2·222

" " " " " Zeile 11 vu lies 27°03 statt 37°27

" " " " " " " " " 66°16 " 65°16

Kaolln. *Gdt. Zeitschr. Kryst.* 1890. 17. Seite 57 lies $\begin{matrix} H_2 & Al \\ & \overline{Si}_2 \end{matrix} \} O_8$ statt $\begin{matrix} K_2 & Al \\ & \overline{Si}_2 \end{matrix} \} O_8$

Kentrolith. Für die Winkeltabelle wurde die Aufstellung *Rath* der des Index vorgezogen.
Elemente nach *Flink Z. K.* 1892. 20. 370.

Gdt. Index Bd. 2 Seite 225. Statt der gegebenen Axen-Verh. u. Elemente lies:

$$a:b:c = 0.7173 : 1 : 1.1325 \quad (Gdt.)$$

$$[a:b:c = 0.6333 : 1 : 0.883] \quad (Rath)$$

Elemente.

a = 0.7173	lg a = 985570	lg a ₀ = 980166	lg p ₀ = 019834	a ₀ = 0.6334	p ₀ = 1.5792
c = 1.1325	lg c = 005404	lg b ₀ = 994596	lg q ₀ = 005404	b ₀ = 0.8330	q ₀ = 1.1325

Gdt. Index Bd. 2 Seite 226 zuzufügen:

Rath Zeitschr. Kryst. 1881. 5. 34 Zeile 6 vu lies 0.883 : 1 statt 0.784

Der Fehler in *Rath's* Angabe wurde nicht bemerkt. Seine Berichtigung veranlasst obige Correcturen. *Panbianco Rivista.* 1891. 8. 68 hat ihn aufgefunden.

Kieserit. Für die Winkeltabellen wurde das Mittel aus den stark differirenden Elementen von *Tschermak* (corrig. durch *E. S. Dana Syst.* 1892. 932) und *Bücking* (Berl. Sitzber. 1895. 534) eingeführt.

Kobaltblüthe. Aufstellung und Elemente *Brewina* wurden angenommen (Index 3. 418).

Kobaltvitriol. *Gdt. Index* 3. 376 zu löschen und mit **Bieberit** Index 1. 303 zu vereinigen.

Koppit. *Gdt. Index Bd. 2* Seite 242 Zeile 2 vo lies 1875 statt 1865.

Kornerupin ist wahrscheinlich = **Prismatin** (*E. S. Dana Syst.* 1892. 561).

Kraurit. Für die Winkeltabelle wurde die Aufstellung *Streng* der des Index vorgezogen.

Krennerit. Für die Winkeltabelle wurde die Aufstellung *Krenner* der des Index vorgezogen.
Für die Elemente wurde das Mittel von *Krenner, Rath, Schrauf, Miers* eingeführt.

Dana System 1892 Seite 105 Zeile 8 vo lies co statt cp

" " " " " " " " " oo''' " pp'''

" " " " " " 9 " " oo' " pp'

Kröhnkit. Die Elemente sind nach *Darapsky* mit der Correctur von *E. S. Dana* (System 1892. 958) angenommen.

Gdt. Index Bd. 2 Seite 376 zuzufügen:

$$0.4729 : 1 : 0.3072 \quad \beta = 115^\circ 52 \quad (Darapsky)$$

$$0.4462 : 1 : 0.4325 \quad \beta = 107^\circ 19 \quad (Darapsky \text{ corr. } E. S. Dana)$$

000	00	01	1
010	110	011	111
b	m	e	p

Darapsky Jahrb. Min. 1889. 1. 192 Zeitschr. Kryst. 1891. 19. 307

Dana E. S. System 1892. 958.

" " 1892 Seite 958 Zeile 22 vu lies: m (110, I) statt m (100, I).

Kryolith. *Gdt.* Index Bd. 2 Seite 253 Zeile 4 vo lies 1'3883 statt 1'3383

" " " " " " Elemente " :

a = 0'9662	lg a = 998507	lg a ₀ = 984259	lg p ₀ = 015741	a ₀ = 0'6960	p ₀ = 1'4368
c = 1'3883	lg c = 014248	lg b ₀ = 985752	lg q ₀ = 014248	b ₀ = 0'7203	q ₀ = 1'3883
$\mu = \left. \begin{matrix} 89^\circ 49' \\ 180 - \beta \end{matrix} \right\}$	$\left. \begin{matrix} \lg h = \\ \lg \sin \mu \end{matrix} \right\} 0$	$\left. \begin{matrix} \lg e = \\ \lg \cos \mu \end{matrix} \right\} 750512$	$\lg \frac{p_0}{q_0} = 001493$	h = 1	e = 0'0032

Kupferglanz. Für die Winkeltabelle wurde die Aufstellung *Rose* der des Index vorgezogen.

Kupferindig.

Gdt. Index Bd. 2 Seite 263 *Transformation* lies $\frac{2}{3}(p+2q) \frac{2}{3}(p-q)$ statt $\frac{p+2q}{2} \frac{p-q}{2}$

"	"	"	"	"	"	"	"	$2p \cdot 2q$	"	$\frac{2}{3}p \cdot \frac{2}{3}q$
"	"	"	"	"	"	"	"	$2(p+2q) 2(p-q)$	"	$\frac{2}{3}(p+2q) \frac{2}{3}(p-q)$
"	"	"	"	"	"	"	"	$\frac{p+2q}{6} \frac{p-q}{6}$	"	$\frac{p+2q}{8} \frac{p-q}{8}$
"	"	"	"	"	"	"	"	$\frac{1}{2}(p+2q) \frac{1}{2}(p-q)$	"	$\frac{2}{3}(p+2q) \frac{2}{3}(p-q)$
"	"	"	"	"	"	"	"	$\frac{1}{2}p \cdot \frac{1}{2}q$	"	$\frac{2}{3}p \cdot \frac{2}{3}q$

Kupferkies. *Dana* Syst. 1892 Seite 80 Buchst. u₁ kommt zweimal vor. li sind unsicher.

Kupferlasur. *Zimanyi* Z. Kr. 1892. 21. 86 neue Formen: $-\frac{2}{3}0$, $-\frac{4}{3}0$, $-\frac{5}{3}0$

Hobbs " 1895. 25. 27 " $+\frac{3}{2}0$, $-\frac{2}{3}0$

Kupfervitriol. Für die Winkeltabelle wurden die Axen gegen die Aufstellung des Index vertauscht, so dass:

$$p q (\text{Index}) = \frac{q}{p} \frac{1}{p} (G_2)$$

Zu G_2 gehören die für die Winkeltabellen angenommenen Elemente.

Miller Min. 1852 Seite 556 Zeile 16 vo lies 36 4 statt 35 4

Lanarkit. *Gdt.* Index Bd. 2 Seite 281 *Transformation*

lies $\frac{3p-1}{2} q$ statt $(3p-1) q$

" $\frac{2p+1}{3} q$ " $\frac{p+1}{3} q$

No. 6 " 1'10'5 + 2 P 10 - $\frac{1}{3} 2$ " 1'10'5 - 2 P 10 + $\frac{1}{3} 2$

Vic. Formen No. 1 " 69'1'15 + $\frac{2}{3} 3 P 69 - \frac{2}{3} 3 \frac{1}{3}$ " 12'1'15 $\frac{1}{3} 2 P 12 - \frac{1}{3} 2 \frac{1}{3}$

Langit. Für die Winkeltabellen wurden die Axen PR resp. ac des Index vertauscht.

Lanthanit. Für die Winkeltabelle wurde die Aufstellung *Lang* der des Index vorgezogen.

Laumontit. Für die Winkeltabelle wurde die Aufstellung *Lévy* der des Index vorgezogen.
Gdt. Index Bd. 2 Seite 289 No. 6 lies $103 + \frac{1}{3} P \infty - \frac{1}{3} 0$ statt $103 - \frac{1}{3} P \infty + \frac{1}{3} 0$

Laurionit. Für die Winkeltabelle wurde *Köchlin's* Aufstellung der des Index vorgezogen.

Lautarit. *Osann* Zeitschr. Kryst. 1894. 23. 586.

Lavenit. Elemente und Symbole nach *Brögger* (Zeitschr. Kryst. 1890. 16. 339). *Brögger* bezeichnet das von ihm früher gegebene Axenverhältniss (Index 2. 295) als ungenau.

Lawsonit. *Ransome* und *Palache* Zeitschr. Kryst. 1895. 25. 531.

Lazulith. Die Elemente sind nach *E. S. Dana* (Syst. 1892. 789) gegeben, der *Prüfer's* Angaben nachgerechnet hat.

Leadhillit. *Gdt.* Index Bd. 2 Seite 303 No. 4, 9, 26 die ganzen Zeilen zu löschen.
 " " " " " " " 20 lies p — p statt v — v
 " " " " " " " 29 " v — v " r — —
 " " " " " " " 30 " $\omega 0 -$ " $\omega - -$
 " " " 3 " 396 Zeile 11 vo " Susannit (s. Anh.) = Leadhillit (?) statt
 Susannit = Leadhillit
Dana System 1892 " 921 " 24 vu " $86^{\circ}6'$ statt $85^{\circ}6'$
 " " 1875 " 625 Fig. 521 " $\frac{2}{3}2$ " $\frac{2}{3}2$

Lecontit. *Gdt.* Index Bd. 3 Seite 377 Zeile 9 vu lies: $0^{\circ}7848 : 1 : 1^{\circ}5317$ statt $0^{\circ}7926 : 1 : 1^{\circ}5477$
 " " " " " " " 8 " " $q_0 = 1^{\circ}5317$ " $q_0 = 1^{\circ}5477$

Lenoit wurde als regulär angesehen.

Leukophan. *Gdt.* Index Bd. 2 Seite 309 No. 34 lies $8^{\circ}7'12'' \frac{2}{3} P \frac{2}{3} \frac{7}{12}$ statt $8^{\circ}7'24'' \frac{1}{3} P \frac{2}{3} \frac{7}{12}$
 " " " " " " " 33 " $445 \frac{2}{3} P \frac{2}{3}$ " $455 \frac{1}{2} \frac{2}{3} \frac{1}{2}$

Libethenit. Rhombisch. Mit *E. S. Dana* (Syst. 1892. 786) wurden *Rose's* Elemente angenommen.

Gdt. Index Bd. 2 Seite 313 zuzufügen: tt 201 $2 P \infty 20$

Dana System 1892 " 786 Zeile 7 vo lies $\delta(310, i - 3)$ statt $\delta(013, \frac{1}{3} - i)$

Lievrit. Für die Winkeltabelle wurde die Aufstellung *Mohs* der des Index vorgezogen.

Dana System 1892 Seite 542 Zeile 15 vu lies Z. K. 1883. 7. 609; 1885. 9. 243 statt
 Z. K. 1883. 7. 243.

Löllingit. *Brögger's* Elemente wurden an Stelle der Elemente von *Schrauf* gesetzt, die vielleicht von Messungen an Arsenkies herrühren; vgl. *Groth* Münch. Ak. Ber. 1885. 384.
Dana Syst. 1892. 97.

Löwelt. *Gdt.* Index Bd. 3 Seite 378 Zeile 4 vo lies 10(101) statt 1(111).

Ludwigit. *Mallard* Bull. soc. franç. 1888. 11. 310 Zeitschr. Kryst. 1889. 15. 650.

Lunnit. Für die Winkeltabellen wurde die Aufstellung *Schrauf* der des Index vorgezogen.

Gdt. Index Bd. 2 Seite 331 Zeile 5 vo lies $90^{\circ}39' : 91^{\circ}0' : 89^{\circ}29'$ statt $89^{\circ}29' : 91^{\circ}0' : 90^{\circ}39'$
 " " " " " " " 6 " " $89^{\circ}29' : 91^{\circ}0' : 90^{\circ}39'$ " $90^{\circ}39' : 91^{\circ}0' : 89^{\circ}29'$

Magnetit. *Gdt. Index Bd. 2* Seite 335 No. 2 lies: a statt q.

Magnetkies. Statt des Elementes des Index wurde das von *Seligmann* angenommen, das *Busz* bestätigt (Jahrb. Min. 1895. 1. 124); umgerechnet in Aufstellung des Index.

Für *Dana's* $23^{\circ}0$ setzt *Busz* 70. Die entsprechende Form fand *Busz* am Breithauptit (Jahrb. Min. 1895. 1. 119). Für die angenommenen Elemente stimmt 70 mit der Messung $70:0 = 81^{\circ}28$ $cy = 81^{\circ}30$ (*Dana*)

Busz Jahrb. Min. 1895. 1 Seite 126 Zeile 4 vo lies $81^{\circ}28$ stat $80^{\circ}37'$ 59.

Malachit. *Dana* System 1892 Seite 294 Zeile 6 vu lies 201 statt 201.

Manganit. Für die Winkeltabellen wurde die Aufstellung *Mohs* der des Index vorgezogen.

Manganspath. *Gdt. Index Bd. 2* Seite 355 No. 2 lies a statt q
Dana System 1892 " 278 Zeile 25 vo " $43^{\circ}26$ " $42^{\circ}26$.

Marialit. Mit *Wernerit* vereinigt (Index 3. 130).

Markasit. Die Elemente differiren stark bei den verschiedenen Beobachtern. Es wurde das Mittel aus den Angaben von *Miller*, *Sadebeck*, *Gehmacher* eingeführt.

Marokit. Zeitschr. Kryst. 24 Seite 660 (Register) Zeile 2 vo lies 207 statt 205.

Mascagnin. Für die Winkeltabelle wurde die Aufstellung *Mitscherlich* der des Index vorgezogen.

Mazapillit. Das Mittel der Elemente von *Descloiseaux* (Bull. soc. franç. 1889. 12. 441) und *König* (Z. Kr. 1890. 17. 85) wurde in Rechnung gestellt. *Descloiseaux* hält *König's* Messungen für falsch. *E. S. Dana* nimmt sie in sein System auf.

Moionit. Mit *Wernerit* vereinigt (Index 3. 130).

Melanglanz. Für die Winkeltabellen wurde die Aufstellung *Haidinger* der des Index vorgezogen
Dana System 1892 Seite 144 Zeile 22 vo lies UU' statt uu'
Artini Zeitschr. Kryst. 23 " 184 " 18 u. 19 " " (101) " 010

Mendipit. Für die Winkeltabellen wurde die Aufstellung *Haidinger* der des Index vorgezogen.
Dana System 1892 Seite 170 Zeile 27 vo lies $0^{\circ}8012$ statt $0^{\circ}8005$ (entspr. $38^{\circ}42$).

Meneghinil. Für die Winkeltabellen wurde die Aufstellung *Krenner* der des Index vorgezogen.
Das Mittel der wenig differirenden Elemente von *Krenner* und *Miers* wurde eingesetzt.
Dana System 1892 Seite 142. Die Formen i h k δ y q vielleicht auch \emptyset sind nicht ganz sicher, vgl. Index Bemerkungen.

Miargyrit. Es wurden die von *E. S. Dana* (System 1892. 116) corrigirten Elemente von *Lewis* benutzt.

Dana System 1892 Seite 116 Zeile 11 vo lies $\mu(702, +\frac{7}{2} - i)$ statt $\mu(702, -\frac{7}{2} - i)$
 $\delta = \frac{1}{4}1$ ($13^{\circ}44$) ist nach *Weisbach's* brieflicher Mittheilung (3. Juni 1890) zu streichen.

Mikrosommit. Wegen der Wichtigkeit von ix ist *Rauff's* Aufstellung mit $a:c = 1:0^{\circ}8367$, $p_o = 0^{\circ}9660$ vorzuziehen.

Millerit. *Gdt. Index Bd. 2* Seite 395 Zeile 5 u. 6 vo lies $1:0^{\circ}3295$ statt $0^{\circ}3295$
" " " " " " No. 4 " 4^{∞} " 40
Dana System 1892 " 70 Zeile 16 vu " $10^{\circ}43$ " $10^{\circ}35$

Mizzonit mit *Wernerit* vereinigt (Index 3. 130).

Monazit. Für die Winkeltabellen wurde die Aufstellung *Miller-Dana* der des Index vorgezogen. *E. S. Dana's* Elemente angenommen. Sie differiren wenig von dem Mittel der von *E. S. Dana* (System 1892. 752) zusammengestellten Werthe. Dies ist mit Einschluss von *Dana's* A.-V.

$$a : b : c = 0.9694 : 1 : 0.9241 \quad \beta = 103^\circ 38'.$$

Dana System 1892 Seite 750 Zeile 4 vo lies $124^\circ 04'$ statt $124^\circ 42'$

" " " " " 8 " " gg' " kk'
" " " " " 9 " " ag " ak

Monimolitt. Regulär. *Flück* (Zeitschr. Kryst. 1888. 13. 403).

Monetit. Triklin. Elemente unvollständig. Messungen genähert. (*E. S. Dana*, Syst. 1892. 784.)

Mordenit. *Pirsson* (Amer. Journ. 1890. 40. 232) wählte die Elemente wegen Aehnlichkeit mit Heulandit. Doch werden die Symbole dabei complicirt. Auch deuten die chemischen Formeln nicht auf Isomorphie. Es wurden die den einfachsten Symbolen entsprechenden Elemente vorgezogen.

$$p q (\text{Pirsson}) \div \frac{p}{2} \frac{2q}{5} (\text{Gdt.}); p q (\text{Gdt.}) = 2 p \cdot \frac{5}{2} q (\text{Pirsson})$$

Mursinekitt. Tetragonal. $a : c = 1 : 0.5664$ mit den Formen: $o = 1(111)$; $x = 20(201)$; $y = \frac{5}{3}0(503)$; $z = 5\frac{5}{2}(1052)$; $s = 84(841)$. Das Mineral wurde nicht aufgenommen, weil die Zusammensetzung unbekannt.

Kokscharow Mat. Min. Russl. 1886. 9. 341. Zeitschr. Kryst. 1888. 13. 198.

Nadorit. Die Verhältnisse sind unklar. Die Messungen von *Desclouaux* und *Cesaro* nicht in sicherer Uebereinstimmung; die Symbole complicirt. Ursache ist das ungünstige Material. Prüfung an besserem Material kann erst Klarheit geben.

Folgende Zusammenstellung des wahrscheinlich Identischen möge zur Orientirung dienen.

Index	<i>E. S. Dana</i>	<i>Descl.</i>	<i>Cesaro</i>	<i>E. S. Dana</i> <i>Cesaro</i>	Index	G_2
o	a	h^1	h^1	$\infty 0$	o	0∞
a	b	p	—	0∞	$\infty 0$	$\infty 0$
δ	δ	$h^{\frac{8}{3}}$	—	$\frac{1}{3}10$	$0\frac{5}{11}$	$0\frac{1}{3}1$
ε	ε	h^6	—	$\frac{2}{3}0$	$0\frac{5}{7}$	$0\frac{2}{3}$
ζ	ζ	h^{17}	—	$\frac{1}{8}50$	$0\frac{8}{9}$	} 02
—	d	—	$a^{\frac{1}{2}}$	20	$0\frac{8}{9}$	
e	c	m	$a^{\frac{3}{2}}$	$\frac{5}{3}0$	01	$0\frac{5}{3}$
η	η	g^4	a^1	10	$0\frac{5}{3}$	01
θ	θ	$g^{\frac{3}{2}}$	—	$\frac{1}{3}0$	05	$0\frac{1}{3}$
p	π	$a^{\frac{1}{2}}$	h^7	$\frac{4}{3}\infty$	$\frac{1}{2}0$	$\infty 2$
q	q	a^1	g^5	$\infty \frac{3}{2}$	10	∞
r	r	a^2	g^2	$\infty 3$	20	2∞
s	p	—	$b^{\frac{1}{2}}$	1	$\frac{4}{13} \frac{7}{13}$	$\frac{2}{3}1$
x	—	x	x	$\frac{3}{2} \frac{1}{2} \frac{7}{2}$	—	? 13
y	—	y	y	$\frac{1}{4} \frac{5}{4}$	$\frac{4}{19} \frac{7}{19}$? $1\frac{9}{2}$

Der Druckfehler $a\frac{8}{3}$ statt $a\frac{5}{3}$ bei *Cesaro* (Bull. soc. franc. 1888. 11. 48) ist in *E. S. Dana's* Syst., 863 übergegangen. Dort ist zu lesen ζ (15°0'8) statt (508). *Desclieux* h^{17} und *Cesaro's* $a\frac{1}{2}$ sind wahrscheinlich identisch. Gemessen $h^1 h^{17}$ (Dx) = 21°9'; $a\frac{1}{2} h^1$ = 19° circa (*Cesaro*).

Die Symbole G_2 erscheinen als die einfachsten. Die in der Winkeltabelle angenommenen Elemente sind in ungefährer Uebereinstimmung mit Messung und Symbolen.

Dana Syst. 1892 S. 683 Zeile 12 vo bis (15°0'8, $\frac{1}{8} - i$) statt (508, $\frac{5}{8} - i$)

Natrolith. Für die Winkeltabellen wurde die Aufstellung *Mohs* der des Index vorgezogen. Für die Elemente wurde das Mittel aus den Elementen von *Haidinger*, *Lang*, *Seligmann*, *Brögger*, *Palla*, *Artini* in Rechnung gestellt.

Dana Syst. 1892 Seite 600 Zeile 6 vo lies yy' statt gg'

Natrophilit. Steht dem Triphylin nahe. Elemente und Symbole nicht genügend gesichert.

Brush und *Dana* Am. J. 1890. 39. 205. *E. S. Dana* Syst. 1892. 758.

Nephelin. Wegen Wichtigkeit von $i x$ ist *Haidinger's* Aufstellung mit $a:c = 1:0.8390$, $p_0 = 0.9672$ vorzuziehen.

Neptunit. *Flink* Zeitschr. Kryst. 1894. 23. Seite 346 Zeile 15 vu lies {512} statt {512}

Newberyit. Für die Winkeltabelle wurde die Aufstellung *Rath* der des Index vorgezogen.

Nickelvitriol. *Dana*, Syst. 1892 Seite 94 Zeile 13 vo lies $40^\circ 40\frac{1}{2}$ statt $41^\circ 40\frac{1}{2}$

Ochrolith. *Flink*, Stockh. Ofvers. Ak. 1890. 46. 5. Zeitschr. Kryst. 1891. 19. 96.

Dana Syst. 1892. 864.

Olivent. Für die Winkeltabelle wurde die Aufstellung *Mohs* der des Index vorgezogen. Die Elemente von *Washington* (Amer. Journ. 1888. 35. 298) sind wohl genauer als die von *Phillips* (Min. 1823. 319). Doch mussten bei *Washington*, um die Elemente zu completiren, Krystalle von zwei Fundorten zusammengefasst werden. Um die bestehende Unsicherheit möglichst zu reducirn, wurde das Mittel von *Phillips* und *Washington* in Rechnung gestellt.

Gdt. Index Bd. 2 Seite 429 Zeile 7 vo lies: $0.9396 : 1 : 0.6726$ statt $0.9573 : 1 : 0.6894$.

Olivengruppe. Es wurden für die verschiedenen Arten die Winkel ausgerechnet für alle in der Gruppe bekannten Formen. Die Buchstaben solcher Formen, die bei der speciellen Art nicht beobachtet sind, wurden in () gesetzt. Für die Winkeltabellen wurde die Aufstellung *Rose* der des Index vorgezogen.

Gdt. Index Bd. 2 Seite 324 Zeile 1 vu lies: Tephroit statt Tephorit.

Oryzit. *Grattarola* Proc. verb. soc. Tosc. Mai 1890. Zeitschr. Kryst. 1894. 23. 171.

Monoklin. $a:b:c = 0.3705 : 1 : 0.1998$ $\beta = 95^\circ 22$. Die Messungen schwanken von $2-3.5^\circ$. Daher die Elemente unsicher. Es wurde desshalb von Berechnung der Winkel abgesehen.

Pachnolith. Für die Winkeltabellen wurde die Aufstellung *Groth* der des Index vorgezogen.

Palladium. *Gdt.* Index Bd. 2 Seite 445 No. 2 lies: O statt ∞ O

Parisit. Es lässt sich nicht mit Sicherheit sagen, ob die Aufstellung des Index oder die von *Descloizeaux* (*Vrba*, *E. S. Dana*) den Vorzug verdient oder eine solche, die *Descloizeaux's* Symbole verdoppelt. Neu gefundene Formen können Aufschluss geben. Bis dahin wurde die Aufstellung des Index beibehalten.

Partschin. *Gdt.* Index Bd. 2 Seite 449 Elemente lies: 001416 statt 011416.

Pearceit. *Penfield* Amer. Journ. 1896. 2. 17. Zeitschr. Kryst. 1897. 27. 65.

Pektolith. Für die Winkeltabelle wurde die Aufstellung *E. S. Dana* der des Index vorgezogen. Dazu wurden die Elemente von *E. S. Dana* eingeführt. (Syst. 1892. 373.)

Penfieldit. Zur Vereinfachung der Symbole wurde für *Penfield's* $\frac{1}{2}(11\bar{1}1)$ 10(1011) gesetzt.

$$\begin{aligned} \text{Transformation } pq(\text{Penfield}) &\div \frac{2}{3}(p+2q) \cdot \frac{2}{3}(p-q)(G_1) \\ pq(G_1) &\div \frac{1}{2}(p+2q) \cdot \frac{1}{2}(p-q)(\text{Penfield}) \end{aligned}$$

Petalit. Für die Winkeltabelle wurden die Axen AC resp. PR des Index vertauscht. Für diese Aufstellung G_2 gilt die Transformation:

$$pq(\text{Index}) \div \frac{1}{p} \frac{q}{p}(G_2); \quad pq(\text{Desclois. Dana}) \div \frac{p}{2} \frac{q}{2}(G_2)$$

Phenakit. *Gdt.* Index Bd. 2 Seite 463 No. 1 lies a statt q.

Phillipsit. Für die Winkeltabelle wurde die Aufstellung *Fresenius* der des Index vorgezogen. Für die Elemente wurde das Mittel der Angaben von *Fresenius*, *Streng* und *Descloizeaux* eingeführt.

Phosgenit. Elemente nach *Gdt.* (Zeitschr. Kryst. 1894. 23. 147)

<i>Gdt.</i> Index Bd. 2	Seite 471 zuzufügen: v	311	31
" " " "	" " "	L	310 300
" " " "	" 472	"	<i>Kath</i> Niederrh. Ges. 1887. 102, Zeitschr. Kryst. 1890. 17. 105
" Zeitschr. Kryst. 23	" 139 Zeile 7	vo	lies Ferraris statt Ferrario
" " " "	" " 3	vu	" lg p _o " tg p _o
" " " "	" 147	" 22	" " 73 12 " 71 40
" " " "	" 141	" 1	" " 1s 2s " s ¹ s ²
" " " "	" " " "	" " "	" 3s 4s " s ³ s ⁴
" " " "	" 147	" 2 u. 1	" " No. 12. 13. 14 Fig. 9. 10. 11 statt No. 11. 12. 13 Fig. 8. 9. 10
" " " "	" " 20	" "	sechs statt sieben
" " " "	" " 18	"	f = $\frac{2}{3}$ o { 203 } zu löschen.

Phosphosiderit. Für die Winkeltabellen wurde die Aufstellung *Bruhns u. Russ* der des Index vorgezogen.

Piedmontit. *Dana* System 1892 Seite 521 Zeile 23 vo lies cn statt cx.

Pikromerit. Für die Winkeltabelle wurde die Aufstellung von *Rotter u. Murmann* der des Index vorgezogen. Für die Elemente wurde das Mittel aus den Angaben von *Scacchi* (*E. S. Dana* System 1892. 948), *Rotter u. Murmann* und *Brooke* eingeführt.

Dana System 1892 Seite 948 Zeile 4 vu fig. und Fig. ist n zugleich für 120 und 111 gesetzt. Es ist entspr. Index für 111 überall u zu setzen.

Pisanit. $\Delta = -\frac{5}{22}$ (5'5'22) und $\sigma = -\frac{2}{3}$ (998) sind vermuthlich Vicinale. Sie wurden aus der Winkeltabelle weggelassen.

Gdt. Index Bd. 2 Seite 477 No. 3 lies 110 ∞ statt 100 ∞ .

Plattnerit. Durch Versehen wurde dieses Mineral ausgelassen. Es ist S. 269 zuzufügen.

Ayres Dana E. S. Syst. 1892. 240

" *Amer. J.* 1892. 43. 407. *Z. K.* 1894. 23. 522.

Plattnerit.

Tetragonal.

$$\left. \begin{matrix} c \\ p_o \end{matrix} \right\} = 0.6764 \quad \lg c = 983020 \quad \lg a_o = 016980 \quad a_o = 1.4784$$

No.	Buchstaben	Symb.	Miller	φ	ϱ	ξ_o	η_o	ξ	η	X (Prismen) (x : y)	y	d =tg ϱ
1	c	0	001	—	0°00	0°00	0°00	0°00	0°00	0	0	0
2	a	0 ∞	010	0°00	90 00	"	90 00	"	90 00	"	∞	∞
3	e	01	011	"	34 04'	"	34 04'	"	34 04'	"	0.6764	0.6764
4	v	03	031	"	63 46	"	63 46	"	63 46	"	2.0292	2.0292
5	x	$\frac{3}{2}$	332	45 00	55 07'	45 25	45 25	35 27'	35 27'	1.0146	1.0146	1.4349

Polybasit. Aufstellung und Elemente wurden nach *Penfield* (*Amer. J.* 1896. 2. 23) angenommen, der wegen Isomorphie mit *Pearceit Miers'* pq vertauschte. Der Fehler in *Miers'* Elementen, der in den Index des Verf. übergang, wurde durch *E. S. Dana* (*Syst.* 1892. 146) berichtigt. *Penfield* hält den Polybasit für monoklin. Im Sinn des monoklinen Systems sind die Vorzeichen \pm der Tabellen zu verstehen.

Gdt. Index Bd. 2 Seite 487 Zeile 4 vo lies 1.7262 statt 2.7210

" " " " " " " 5 " " 0.9131 " 0.3675

" " " " " " Elemente lies:

a = 1.5763	lg a = 019764	lg a _o = 996055	lg p _o = 003945	a _o = 0.9132	p _o = 1.0952
c = 1.7262	lg c = 023709	lg b _o = 976291	lg q _o = 023709	b _o = 0.5793	q _o = 1.7262

Gdt. Index Bd. 2 Seite 488 zuzufügen: Die folgenden Corr. bestätigt durch *Miers* (Brief v. 13. Aug. 95.)

" " " " " " " *Miers* Min. Mag. 1889. 8. 204 Zeile 2 vu } lies
 " " " " " " " " Ztsch. Kr. 1891. 19. 413 " 3 " }
 1.5762 statt 0.6344
 " " " " " " " " Min. Mag. 1889. 8. 204 " 1 " lies
 32°23½ statt 57°36½.

Polykras. Für die Winkeltabelle wurde die Aufstellung *Brögger* der des Index vorgezogen.

Polymignyt. Für die Winkeltabelle wurde die Aufstellung *Rose* der des Index vorgezogen.

Powellit. *Mehville* Am. J. 1891. 41. 138. *Dana* System 1892. 989.

Prenhit. Für die Winkeltabellen wurde die Aufstellung *Mohs* der des Index vorgezogen.

Für die Elemente wurde das Mittel der Angaben von *Naumann*, *Streng*, *Beutell* eingeführt.

Gdt. Index Bd. 2 Seite 493 Zeile 6 vo lies 1'1099 statt 1'099.

Prismatin ist nach *Ussing* -- **Kornerupin** (*Dana* System 1892. 561). Für die Winkeltabelle wurde die Aufstellung *Sauer* der des Index vorgezogen.

Presopit. Statt der im Index angenommenen Elemente wurden die von *E. S. Dana* (Syst. 1892. 178) aus *Desclouzeaux's* Winkeln neu berechneten eingestellt.

Gdt. Index Bd. 2 Seite 497 Zeile 4 vo zuzufügen: $\beta = 93^\circ 58$.

Pseudobrookit. Für die Winkeltabellen wurde *E. S. Dana's* Aufstellung (Syst. 1892. 232) der des Index vorgezogen. Die Elemente von *A. Schmidt* (Z. K. 1882. 6. 100) und *Traube* (Z. K. 1892. 20. 327) differiren bedeutend. Es wurde das Mittel aus beiden in Rechnung gestellt. *Traube's* $0 = 1\frac{1}{2}$ uns. Aufst. wurde als unsicher weggelassen.

Puohorit. Für die Winkeltabelle wurde eine Aufstellung G_2 der des Index vorgezogen, welche gleich der *Frenels* ist, jedoch pq verdoppelt.

$$pq \text{ (Frenel)} = 2p \cdot 2q \text{ (} G_2 \text{)} \quad pq \text{ (Index)} = \frac{p}{2q} \cdot \frac{1}{q} \text{ (} G_2 \text{)}$$

Pyrit. Die Vorzeichen + wurden als unsicher und für die Winkeltabelle unwichtig weggelassen. Vgl. Index 2. 506.

Gdt. Index Bd. 2 Seite 505 No. 62 lies $\frac{9}{2} 2$ statt $\frac{9}{4} 2$.

Pyroxen-Gruppe

Enstatit. Bronzit. Hypersthen. Für die Winkeltabelle wurde die Aufstellung *Groth* der des Index vorgezogen.

Gdt. Index Bd. 2 Seite 517 Zeile 9 vo lies 1.2013 statt 0'6006

" " " 2 " " Transformation: *Blaas* in Col. *Lang* statt in Col. *Groth* zu stellen.

Blaas Min. Petr. Mitth. 3 Seite 481 Zeile 2 vo } lies: 1'1574 statt 0'5787
" Zeitschr. Kryst. 7 " 96 " 2 " }

" " " " " " " " 1'2013 " 0'6007

Panebianco fand (*Rivista* 1891. 8. 72), dass bei *Blaas* Elemente und Symbole nicht zusammengehören. Die Beibehaltung der Symbole erfordert obige Correcturen.

Diopsid. Für die Winkeltabelle wurde die Aufstellung *Naumann* der des Index vorgezogen. Für die Elemente wurde das Mittel aus den neun ersten Axenverhältniss-Angaben des Index eingesetzt.

Gdt. Index Bd. 2 Seite 525 No. 28 lies: V statt U.

Wollastonit. Für die Winkeltabelle wurde die Aufstellung *Rath-Hessenberg* der des Index vorgezogen. Dazu wurden die Elemente nach *Rath* eingeführt.

Gdt. Index Bd. 2 Seite 536 zuzufügen:

Rath Pogg. Ann. 1869. 138 Zeile 17 vu lies $0\frac{3}{2}$ statt $0\frac{3}{2}$
" " " " " " 16 " " $0\frac{3}{2}$ " $0\frac{3}{2}$

Rhodonit. Für die Winkeltabelle wurden die Axen A C resp. P R gegen die des Index vertauscht. Die unsicheren Formen $h \omega z y \beta x a$ wurden weggelassen.

Hamberg (Zeitschr. Kryst. 1894. 23. 160) giebt 3 neue Formen.

$$p q (\text{Hamberg}) \div \frac{P}{2} \frac{\bar{q}}{2} (\text{Winkeltabellen}).$$

Gdt. Index Bd. 2 Seite 541 No. 14 lies: $201.2 \bar{P} \infty - 20$ statt $401 \ 4 \bar{P} \infty - 40$
Dana Syst. 1892 " 378 Die Formen $z a \beta \omega y x h$ sind unsicher. (Index, Bemerk.)

Babingtonit. Für die Winkeltabelle wurden die Axen A C resp. P R gegen die des Index vertauscht.

Gdt. Index Bd. 2 Seite 545 No. 9 lies: $1 f - - 302 \ \frac{3}{2} \bar{P} \infty - \frac{3}{2} 0$

" " " " " " " " statt: $u f - - 301 \ 3 \bar{P} \infty - 30$

Dana Syst. 1892 " 381 Zeile 6 vu lies: M (110) statt M (110]

Akmit. Für die Winkeltabelle wurde die Aufstellung *Lévy* der des Index vorgezogen. Die Elemente wurden nach *Brögger* (Zeitschr. Kryst. 1890. 16. 300) eingestellt.

Gdt. Index Bd. 2 Seite 532 Zeile 14 vo lies: $(b^1 d^{\frac{1}{2}} g^1)$ statt $(b^1 d^{\frac{1}{2}} g^1)$

" " " " " " " " " " $(d^1 b^{\frac{1}{2}} g^1)$ " $(d^1 b^{\frac{1}{2}} g^1)$

" " " " " " nach Zeile 1 zuzufügen:

Schrauf Atlas 1864 Text zu Taf. 2 Zeile 4—7 lies:

011	211	361	561
$\infty a : b : c$	$a : 2b : 2c$	$2a' : b : 6c$	$\frac{2}{3} a : b : 6c$
$P \infty$	$+2P\frac{2}{3}$	$-6P\frac{2}{3}$	$+6P\frac{2}{3}$
e^1	$d^1 d^{\frac{1}{2}} h^1$	$b^{\frac{1}{2}} d^{\frac{1}{2}} g^1$	$d^1 b^{\frac{1}{2}} g^1$

statt:

021	421	$\frac{4}{3} 12^1$	$10^1 12^1$
$\infty a : b : 2c$	$a : 2b : 4c$	$3a' : b : 12c$	$\frac{2}{3} a : b : 12c$
$2P \infty$	$+4P\frac{2}{3}$	$-12P\frac{2}{3}$	$+12P\frac{2}{3}$
$e^{\frac{1}{2}}$	$d^{\frac{1}{2}} d^{\frac{1}{2}} h^1$	$b^{\frac{1}{2}} d^{\frac{1}{2}} g^1$	$d^{\frac{1}{2}} b^{\frac{1}{2}} g^1$

Gdt. Index Bd. 2 Seite 531 Zeile 7 vo [...] (*Schrauf-Dana*) die ganze Zeile zu löschen.

Dana Syst. 1873 " 224 " 23/24 vo lies: $0'5528 : 1 : 0'9111$ statt: $0'5405 : 1 : 0'9135$

" " " " " " 25 " " $1 - \bar{1}, 2 - 1, - 6 - 2, 6 - \frac{2}{3}, 2 - 1$

statt: $2 - \bar{1}, 4 - 2, - 12 - 3, 12 - \frac{2}{3}, 4 - 2$

" " " " " " 26 " lies: $1 - \bar{1}$, statt $2 - \bar{1}$

" " " " " " in Fig. 215 die gleichen Correcturen zu machen.

Quarz. *Gdt. Index* Bd. 3

Seite 5 No. 68 Col. *Hausm., Mohs, Hany* lies: $D \ P - 1 \ E^{\frac{2}{3}} B^2 D^1$ statt — —

" 10 zuzufügen: Die Seitenzahlen beziehen sich auf den Sep.-Abdr. in 4°.

" " " Für die Mem. Sav. étrang. ist jeder Seitenzahl 403 zuzufügen.

" 24 Col. 3 von hinten lies: $\frac{2}{3} : - \frac{2}{3} \frac{1}{2}$ statt $\frac{2}{3} : 1 \frac{1}{2}$

" " letzte Col. " " $I^{\frac{1}{2}} : - \frac{1}{2} \frac{7}{8} \frac{5}{8}$ " $I^{\frac{1}{2}} : - \frac{1}{2} \frac{7}{8} \frac{5}{8}$

Quenstedtit. Die Symbole *Linck* sind complicirt. Sie vereinfachen sich durch die *Transformation*

$$p q (\text{Linck}) \div \frac{1}{p} \frac{3q}{5p} (\text{Gdt.})$$

Identification	b	m	p	q	r	s	t	u	v	w
Linck:	00	∞	$\infty \frac{2}{3}$	01	$0 \frac{1}{10}$	$0 \frac{2}{3}$	$0 \frac{7}{2}$	$0 \frac{1}{8}$	$0 \frac{2}{7}$	$0 \frac{2}{3}$
transformirt:	00	$0 \frac{2}{3}$	01	$\frac{2}{3} \infty$	$\frac{2}{3} \infty$	$\frac{2}{3} \infty$	$\infty \frac{2}{3}$	$\infty \frac{2}{3}$	$\infty \frac{2}{7}$	$\infty \frac{2}{3}$
abgeglichen Gdt.:	00	$0 \frac{2}{3}$	01	$\frac{2}{3} \infty$	$\frac{2}{3} \infty$	∞		$\infty \frac{2}{7}$	$\infty \frac{2}{3}$	$\infty \frac{2}{3}$

st sind wohl als vicinale Vertreter von ∞ anzusehen.

	gem.	ber.		gem.	ber.
bm	68° 55	68° 54	bs	57° 22	
bp	57° 15	57° 15	bt	55° 12	56° 54
			bu	53° 24	53° 19
bq	68° 35	68° 38	bv	48° 15	49° 00
br	66° 39	66° 31	bw	45° 32	45° 38

In den Elementen *Gdt.* tritt eine interessante Beziehung zum Blödit hervor, der, abgesehen vom Wassergehalt, analog zusammengesetzt ist:

Blödit: a:b:c=1:3494:1:0'6705 $\beta=100^\circ 38$ $p_0=0'4969$ $q_0=0'6590$ $\mu=79^\circ 22$

Qenstedtit: a:b:c=0'6661:1:0'6573 $\beta=101^\circ 53$ $p_0=0'9869$ $q_0=0'6432$ $\mu=78^\circ 07$

Die Aufstellung *Gdt.* wurde für die Winkeltabellen angenommen.

Gdt. Index Bd. 3 Seite 382 Zeile 3 vu lies: $0 \frac{1}{8}$ statt $0 \frac{1}{1}$

" " " " " " " 2 " " " $0'15'8$ " $0'11'8$

Realgar. Für die Winkeltabellen wurde die Aufstellung *Lévy* der des Index vorgezogen.

Gdt. Index Bd. 3 Seite 29 *Transformation* Col. *Lévy* lies: $-\frac{p+1}{2}q$ statt $-\frac{p+1}{2}p$

" " " " " " No. 23 " x " ζ

Hackmann Z. Kr. " 608 Zeile 2 vu " μ " u

Reddingit. *Dana* System 1892 Seite 813 Zeile 11 vo lies $55^\circ 22'$ statt $57^\circ 22'$

" " " " " " 12 " " cq " bq

Rinkit. Für die Winkeltabelle wurde die Aufstellung *Lorenzen* der des Index vorgezogen.

Die Elemente sind abnorm. Es ist zu erwarten, dass weitere Beobachtungen andere Elemente bringen werden.

Rittingerit wurde mit **Xanthokon** vereinigt (vgl. *Miers* Zeitschr. Kryst. 1894. 22. 457).

Römerit. Für die Winkeltabellen wurden die Axen AC resp. PQ der Aufstellung *Linck* (Zeitschr. Kryst. 1889. 25. 22, *Dana* E. S. System 1892. 959) vertauscht.

Identification	o	oo	oo	∞	2∞	3∞	$\frac{1}{3}\infty$	4∞	$\infty\infty$	$0 \frac{2}{3}$	01	$\frac{2}{3}0$	10
E. S. <i>Dana</i>	a	b	c	q	n	s	t	l	e	μ	m	y	x
<i>Linck</i>	a	b	c	q'	n	n'	t	t'	q	m	p	y	x
Index	c	t	b	a	s	m	—	n	—	p	—	e	

Linck Zeitschr. Kryst. 15, Seite 23 Zeile 10 vu lies { 320 } statt { 320 }

Rosolith. Für die Winkeltabelle wurden die Axen gegen Index vertauscht, so dass

$$pq \text{ (Index)} = \frac{1}{q} \frac{p}{q} (G_2)$$

Gdt. Index Bd. 3 Seite 51 No. 7 lies ζ statt ξ

Dana System 1892 " 810 " "

Die Formen a n N h χ γ ω λ l Γ O sind nicht beobachtet; stehen nur in *Schrauf's* Winkeltabelle (Min. Mitth. 1874. 4. 148) gerechnet. Beobachtet sind dagegen: p = (114) II = (114) *Dana's* Aufstellung, die fehlen (*Schrauf* 145).

Rosenbuschit. Nach *Brögger's* (Z. K. 1890. 16. 339) Messungen haben *Brögger* und *E. S. Dana* (System 1892. 374) die Elemente etwas verschieden angenommen. Der Berechnung der Winkel wurde das Mittel zu Grund gelegt.

Rothhielerz. Für die Winkeltabellen wurde die Aufstellung *Dauber* der des Index vorgezogen.
Dana System 1892 Seite 913 Zeile 21 vo lies g (841) statt q (841).

Rothgiltigerz. Für alle am Rothgiltigerz beobachteten Formen sind die Winkel sowohl für Proustit als für Pyrrargyrit ausgerechnet.

Gdt. Index Bd. 3 Seite 67 No. 123 lies $23^{\circ}8'31''$ statt $23^{\circ}8'31''$

Dana System 1892 " 132 Zeile 25 vo " $\Sigma(6^{\circ}7'13''20)$ " $\Sigma(6^{\circ}7'13''10)$

Rothzinkerz. Die Elemente des Rothzinkerz schwanken in weiten Grenzen:

a : c = 1 : 1'6034 (*Rammelsb.*) 1 : 1'6208 (*Rath, Dana J. D.*) 1 : 1'6519 (*Lévy*)

1 : 1'6028 (*Grein*) 1 : 1'6219 (*Rinne, E. S. Dana*) 1 : 1'6683 (*Traube*)

1 : 1'6077 (*Traube*) 1 : 1'6402 (*Traube*)

1 : 1'6077 kommt nach *Traube* dem reinen ZnO zu. Es wurde deshalb den Winkeln untergelegt.

Rutil. *Gdt.* Index Bd. 3 Seite 81 No. 27 lies $1\frac{1}{2}$ statt $1\frac{1}{4}$

" " " " " 80 zuzufügen: *Lévy* Descr. 1837. 3. 338.

Samarskit. Für die Winkeltabellen wurde *E. S. Dana's* Aufstellung der des Index vorgezogen.

Sarkinit. Die Elemente wurden von *E. S. Dana* (System 1892. 779) genommen.

Sartorit. *Dana* System 1892 Seite 112. Als unsicher sind anzusehen: $\alpha \beta \gamma \varepsilon g x l o$, vielleicht auch ω , vgl. Index 3. 132.

Schröckingerit. *Dana* Syst. 1892 Seite 308 Zeile 5 vu lies Schröckingerite statt Schröckinergit

" " " " 1128 Register " " " Schröckeringite.

Schwefel. *Gdt.* Index Bd. 3 S. 105 No. 7 die ganze Zeile zu löschen vgl. *Buss* Z. K. 1892. 20. 564

Dana Syst. 1892 " 8 Zeile 5 vu h(130,i—3) zu löschen " " " " " "

" " " " 9 " 4 vo $dd' = 60^{\circ}40\frac{1}{2}$ entspricht dem nicht angeführten, wohl auch nicht bekannten $\frac{1}{2}0$ (104).

Sellait. *Dana* System 1892 Seite 164 Buchstabe β kommt zweimal vor.

Silberkies. Für die Winkeltabellen wurde QR resp. BC gegen die Aufstellung des Index vertauscht. Für diese Aufstellung G_2 gilt die Transformation:

$$pq(\text{Index}) = \frac{p}{q} \frac{1}{q} (G_2) \quad pq(\text{Schrauf}) = \frac{p}{2} \frac{q}{2} (G_2)$$

Sillmanit. Für die Winkeltabellen wurde *Phillips* Aufstellung der des Index vorgezogen.

Sipyilit. *Mallet* giebt für die Pyramide zwei Winkel: PP Basiskante = 53° ; PP Polkante = $79\frac{1}{2}$.

Aus ersterem wurde das Element $p_0 = 1'42$ (Index 3. 127) berechnet, aus letzterem $p_0 = 1'48$ (*Dana E. S. Syst.* 1892. 731). Das Mittel aus beiden wurde in Rechnung gestellt.

Skleroklas. Für die Winkeltabellen wurden die Axen PR resp. AC gegen die Aufstellung des Index vertauscht.

Gdt. Index Bd. 3 Seite 131 zuzufügen: $s d \ 065 \ \frac{2}{3} P \infty \ 08.$

Skolezit. Für die Winkeltabelle wurde die Aufstellung *Rose* der des Index vorgezogen.

Die Messungen am besten Material sind die von *Zepharovich* (Z. K. 1884. 8. 588) und *Flink* (Z. K. 1889. 15. 93). Die Elemente beider differiren wenig. Für die Winkelberechnung wurde das Mittel aus beiden eingeführt.

Skorodit. Für die Winkeltabellen wurde die Aufstellung *Mohs* der des Index vorgezogen.

Die Elemente schwanken bei den verschiedenen Beobachtern bedeutend. Es wurde das Mittel aus den Angaben von *Rath, Miller, Jeremejew, Buss* in Rechnung gebracht.

Spangolith. Zur Vereinfachung der Elemente wurde *Penfield's* $p = 10$ gesetzt.

$$\begin{aligned} \text{Transformation: } pq \text{ (Penfield)} &\div \frac{2}{3} (p + 2q) \cdot \frac{2}{3} (p - q) (G_1) \\ pq (G_1) &\div \frac{1}{2} (p + 2q) \cdot \frac{1}{2} (p - q) (\text{Penfield}) \end{aligned}$$

Spodiosit. *Nordenskjöld G.* Geol. För. Förh. 1893. 15. 460. Zeitschr. Kryst. 1895. 25. 422.

Stercorit. Für die Winkeltabelle wurde die Aufstellung *Mitscherlich* der des Index vorgezogen.

Sternbergit. Für die Winkeltabelle wurde die Aufstellung *Haidinger* der des Index vorgezogen.

Dana Syst. 1892 Seite 57 Zeile 18 vo lies: $(106, \frac{1}{2} - 1)$ statt $(301, 301)$

" " " " " " 21 " " $26^\circ 58$ " $153^\circ 55$

NB. Winkel von *Miller* entnommen, dort von *Haidinger* falsch abgeschrieben. Vergl. Index 3. 156.

Stolzit. Das Element $p_0 = c = 1.5606$ und die neuen Formen $\varepsilon = 02$, $h = 0\frac{1}{2}$, $\eta = 0\frac{3}{4}$, $o = 0\frac{1}{2}$, $\tau = 0\frac{1}{2}$, $\omega = 0\frac{1}{2}$, $?Q = 0\frac{1}{10}$, $\pi = \frac{1}{2}1$, $A = 15$ nach Messungen von *C. Hlawatsch* an gutem Material von Broken Hill, Australien. Die Elementbestimmung ist der von *Lévy* (Pogg. Ann. 1826. 8. 513) und *Kerndt* (Erdm. Journ. 1847. 42. 113) vorzuziehen, die neuen Formen sind sicher.

Gdt. Index Bd. 3 Seite 157 No. 4 $EA\frac{1}{2} P + 2$ in No. 6 zu schieben.

" " " " " " zuzufügen: $s - 311 \ 3P3 - - - 31$

" " " " " " $?B - 432 \ 2P\frac{3}{2} - - - 2\frac{3}{2}$

" " " " " " 158 " *Naumann* Pogg. Ann. 1835. 34. 376.

Dana Syst. 1892 " 989 Zeile 11 vu zuzufügen: *Lévy* Pogg. Ann. 1826. 8. 513.

Fig. 2 stammt nicht von *Desclouzeaux*, sondern von *Lévy* (Taf. 2 Fig. 8).

Strongit. Für die Winkeltabellen wurde die Aufstellung *Nis* der des Index vorgezogen.

Dana Syst. 1892 Seite 822 Zeile 20 vu lies: $50^\circ 59$ statt $50^\circ 49$.

Stromeyerit. Für die Winkeltabellen wurde die Aufstellung *Miller* der des Index vorgezogen.

Gdt. Index Bd. 3 Seite 161 zuzufügen: $e d \ 014 \ \frac{1}{4} P \infty - - - 0\frac{1}{2}$

" " " " " " " $p P \ 212 \ \bar{P}2 - - - 1\frac{1}{2}$

Strontlanit. Für die Winkeltabellen wurde die Aufstellung *Mohs* der des Index vorgezogen.

$\eta = 40^\circ 40$, $\omega = 12^\circ 12$ wurden weggelassen, da sie *Laspeyres* (Zeitschr. Kryst. 1877. 1. 305) als unsicher bezeichnet. Auch $\eta = 0^\circ 24$ ist unsicher. Der von *Laspeyres* gemessene Winkel $\eta \delta = 61^\circ 40$ führt auf $0^\circ 29$.

- Struvit.** Für die Winkeltabelle wurde die Aufstellung *Miller* der des Index vorgezogen.
 $\mu\beta$ in *E. S. Dana's* System sind von *Solly* genommen (Min. Mag. 1889. 8. 279). Dieser hat sie von *Naumann*. Sie sind unsicher.
- Sundtit.** *Brögger* Zeitschr. Kryst. 1893. 21. 193.
- Symplectit.** *Dana* Syst. 1892 Seite 816 Zeile 28 vo lies: $33^{\circ}30'$ statt $33^{\circ}2\frac{1}{2}'$
 " " " " " " " " " $33^{\circ}03'$ " $33^{\circ}29\frac{1}{2}'$
 " " " " " " " 27 vu " b r " c r
- Synadelphit.** Rhombisch nach *Hamberg* Zeitschr. Kryst. 1891. 19. 104.
- Syngenit.** Für die Winkeltabelle wurde die Aufstellung *Zepharovich* der des Index vorgezogen.
Gdt. Index Bd. 3 Seite 179 *Transformation* lies: Rumpf statt Rumpp.
- Taploilit.** *Gdt.* Index Bd. 3 Seite 187 zuzufügen: m 110 ∞ P ∞
Dana Syst. 1892 " 738 " c (001, O) *Nordenskjöld*
- Tellurit.** Für die Winkeltabelle wurden die Axen PR resp. AC gegen den Index vertauscht.
- Thenardit.** *Dana* Syst. 1892 Zeile 6 vu t ($106, \frac{1}{6} - \epsilon$) ist unsicher nach *Ayres* eigener Angabe.
- Thermonatrit.** *Mohs-Haidinger's* prismatisches Natronsaltz wurde weggelassen, da seine chemische Natur nicht feststeht.
Gdt. Index Bd. 3 Seite 387 lies: $p_0 = 0.9782$ statt $p_0 = 1.0223$.
- Thomsonit.** *Dana* Syst. 1892 Seite 607 Zeile 12 vo lies: $45^{\circ}23'$ statt $44^{\circ}37'$.
- Titaneleon.** *Gdt.* Index Bd. 3 Seite 211 No. 10 lies: 311 statt 311 (Corr. *Artini*. Giorn. Min. 1891. 2. 180).
- Titanit.** *Palache* (Zeitschr. Kryst. 1895. 24. 591) giebt die neuen Formen: $N = +\frac{1}{2}\frac{1}{2}(152)$; $h = +\frac{1}{3}\frac{1}{3}(173)$; $H = +\frac{1}{8}\frac{1}{8}(1178)$; $F = +\frac{7}{6}\frac{1}{3}(7159)$ unserer Aufstellung.
- Topas.** *Cesaro's* einzelne Fläche (Zeitschr. Kryst. 1892. 20. 274) $\frac{7}{18}$ dürfte als Vicinale anzusehen sein.
- Trippkeit.** *Dana* Syst. 1892 Seite 865 Zeile 6 vo lies: yy' statt $\gamma\gamma'$
 " " " " " wahrscheinlich $z = 514$ (Index 3. 240)
- Triplöidit.** Für die Winkeltabellen wurde die Aufstellung *Brush u. Dana* der des Index vorgezogen.
- Trögerit.** Elemente und Symbole unsicher.
- Trona.** *Dana* Syst. 1892 Seite 303 $\beta(1018)$; $\gamma(2013)$ sind unsichere Formen. (*Zepharovich*.)
- Turmalin.** *Dana* Syst. 1892 Seite 551 Zeile 33 vo lies: $\Psi(019195, -\frac{1}{3})$ statt $(015154, -\frac{1}{3})$
 " " " " " 6 vu " $\beta(022225 - \frac{2}{3})$ " $\beta(0992, -\frac{2}{3})$
 " " " " 552 " 5 vo " c $\Psi = 63^{\circ}1'$ " c $\Psi = 62^{\circ}43'$
 " " " " " 6 " " c $\beta = 66^{\circ}16'$ " c $\beta = 66^{\circ}44'$

Tungstit. *Nordenskjöld.* Pogg. Ann. 1861. 114. 623. *Dana Syst.* 1892. 202. *Nordenskjöld's* Symbole vereinfachen sich durch die *Transformation*:

$$p q (Nsk.) \div \frac{1}{4} p \cdot \frac{1}{4} q (Gdt.); \quad p q (Gdt.) \div 4 p \cdot 4 q (Nsk.)$$

Diese *Transformation* wurde für die Winkeltabelle angenommen. Es zeigt sich dabei eine Aehnlichkeit mit Bismut und Valentinit:

Valentinit	a : b : c = 0.785 : 1 : 1.414;	$p_0 = 1.801$	$q_0 = 1.414$
Bismut	" = 0.817 : 1 : 1.597;	$p_0 = 1.956$	$q_0 = 1.597$
Tungstit	" = 0.697 : 1 : 1.610;	$p_0 = 2.319$	$q_0 = 1.610$

Ullmannit. *Laspeyres* Zeitschr. Kryst. 1891. 19. 424 giebt die neuen Formen $\pm \frac{1}{2}0(507)$, $-\frac{1}{2}0(013)$, $\frac{2}{3}(223)$, $-\frac{1}{6}\frac{1}{3}(126)$.

Uranocircit. Formen und Winkel ähnlich Autunit. Nicht genau bestimmt.

Uranothallit. Die Index 3. 255 angenommenen Elemente und Symbole entsprechen einem Brief von *Bresina* (vgl. Index S. 256). In der Publikation (Ann. Wien. Mus. 1890. 5. 495) sind a c vertauscht. Für die Winkeltabelle sind die Elemente von *Bresina's* Publikation angenommen.

Zeitschr. Kryst. 1894. 23, Seite 628 Register lies 166 statt 167.

Valentinit. Ueber die Unsicherheit der Elemente und Symbole und dadurch der Winkel vgl. Index 3. 264.

Dana Syst. 1892 Seite 199 die unsicheren Formen $\sigma \rho \xi i g f h d v x (Q?)$ zu löschen.

Vauquelinit. Für die Winkeltabelle wurden die Axen AC resp. PR gegen die Aufstellung des Index vertauscht.

Gdt. Index Bd. 3 Seite 269 No. 8 bis 14 die Vorzeichen \pm vertauschen.

Dana System 1892 " 915. Das Axenverhältniss a : b : c = 0.7459 : 1 : 1.4028 $\beta = 110^\circ 10'$ ist wohl vorzuziehen, da sich *Kokscharow* dafür entscheidet (Mat. Min. Russl. 1882. 8. 377) der mit *Desclouzeaux* das Mineral am genauesten studiert hat.

Veselyit. Triklin, vielleicht monoklin? *Schrauf's* Elemente stimmen nicht genau mit den Winkeln, wie *Dana* (Syst. 1892. 841) hervorhebt.

Vivianit. *Dana Syst.* 1892 Seite 814 Zeile 4 vu lies s(131, 3—3) statt s(311, 3—3). Die Form ist von *Rath* genommen (Pogg. Ann. 1869. 136. 406). Dort steht 3P3 statt (3P3). Das geht aus den Zonen S. 407 hervor. (a' : $\frac{1}{3}b$: c) daneben ist richtig.

" " " Seite 814 Zeile 3 vu lies $\psi(836, -\frac{4}{3} - \frac{2}{3})$ statt $\psi(836, \frac{4}{3} - \frac{2}{3})$ von *Desclouzeaux* genommen. (Nouv. Rech. S. 695.) $x = (d^{\frac{1}{2}} d^{\frac{1}{2}} h^{\frac{1}{2}})$

Wagnerit-Kjerulfin. Für die Winkeltabellen wurden Wagnerit und Kjerulfin, die im Index getrennt gegeben sind, vereinigt. Beide in Aufstellung *Miller*.

Dana System 1892 Seite 776 Zeile 8 vo lies cq = $83^\circ 14'$ statt cy = $83^\circ 14'$.

Wavellit. Für die Winkeltabellen wurde die Aufstellung *Senff, Miller* der des Index vorgezogen.

Whewellit. Für die Winkeltabelle wurde die Aufstellung *Dana* der des Index vorgezogen.

Gdt. Index Bd. 3 Seite 293 No. 9 lies $110 \infty P - \infty$ statt $101 + P \infty - - 10$
 " " " " " " " 10 " $210 \infty P \frac{1}{2} - 2\infty$ " $201 + 2P \infty - - 20$

Willemitt. Im Index wurden Willemitt und Troostit getrennt, nach *Penfield* (Zeitschr. Kryst. 1894. 23. 77) wieder vereinigt.

Penfield Zeitschr. Kryst. 23 Seite 74 Zeile 10 vo lies $\frac{3}{4} P 2$ statt $\frac{3}{2} P 2$

Wismuthglanz. Für die Winkeltabelle wurde die Aufstellung von *Groth* der des Index vorgezogen.

Witherit. Für die Winkeltabellen wurde die Aufstellung *Mohs* der des Index vorgezogen.

Dana System 1892 Seite 284 zuzufügen: p C D o F G des Index.

Wöhlerit. Für die Winkeltabelle wurde die Aufstellung *Descloiseaux* der des Index vorgezogen.

Für die Elemente wurde das Mittel der Angaben von *Descloiseaux* und *Brögger* eingesetzt, die wenig differiren.

Wolframit. Für die Elemente wurde das Mittel der Angaben von *Descloiseaux*, *Krenner*, *Seligmann* genommen.

Wolfsbergit. Elemente und Symbole wurden nach brieflich mitgetheilten Untersuchungen von *Penfield* (Brief vom 5. April 1897) gegeben. Auf Grund von *Penfield's* Mittheilung wurde Guejarit mit Wolfsbergit vereinigt.

Die Angaben der anderen Beobachter wurden, soweit sie sich mit denen von *Penfield* nicht in Uebereinstimmung bringen liessen, bis zur Abklärung weggelassen. Zur Vereinfachung der Symbole wurde *Laspeyres-Penfield's* Aufstellung geändert.

$$\text{Transformation: } pq (\text{Laspeyres-Penf.}) \div \frac{2}{q} \frac{3}{q} P (\text{Gdt.})$$

Wulfenit. *Dana* Syst. 1892 Seite 990 *Koch's* $\omega z v q \psi$ sind unsicher und wohl am besten zu löschen (Index 3. 318 Bemerk.); ebenso ist $\varphi = 7.175$ zu löschen.

Gdt. Index Bd. 3 Seite 316 Zeile 5 vo *Naumann* . . . die ganze Zeile löschen.
 Das Citat bezieht sich auf Stolzit.

Xanthokon. Elemente und Symbole nach *Miers* (Zeitschr. Kryst. 1894. 22. 459). Das Krystallsystem ist nicht sicher, und die Winkel schwanken in weiten Grenzen.

Xenotim. *Gdt. Index* Bd. 3 Seite 223 zuzufügen: e 112 $\frac{1}{2} P \frac{1}{2}$ 10

" " " " " " " c 001 oP o o

" " " " " " " f 111 P 1 20

Lasaulx Jahrb. Min. 1877. 175

Flück Stockh. Ak. H. 1886. 12. 41, Z. K. 1888. 13. 404

Hidden u. Washington Amer. J. 1888. 36. 380, Z. K. 1890. 17. 413

" " " Zeitschr. Kryst. 17, Seite 413 Zeile 12 vo lies { 201 } statt { 210 }

Yttrotantalit. Für die Winkeltabellen wurde die Aufstellung *Nordenskjöld* der des Index vorgezogen.

Yttrotitanit. Formen und Winkel wie beim Titanit.

Zinkosit. Elemente und Symbole nach *Schulten* (Compt. rend. 1888. 107. 405. *E. S. Dana* System 1892. 912).

Zinkvitriol. *Dana* System 1892 Seite 939 lies $s(211, 2 - 2)$ statt $n(211, 2 - 2)$. Buchst. n ist schon für 101 verwendet.

Zinnerz. *Dana* Syst. 1892 Seite 334. u u_1 u_2 u_3 sind unsicher (Index 3. 342).

Zinnober. *Gdt.* Index Bd. 3 Seite 348 Zeile 11 vu lies ersetzen statt setzen
Dana Syst. 1892 " 66 " 12 " " b ($0^{\circ}1'12, -\frac{1}{12}$) " b ($1^{\circ}0'12, \frac{1}{12}$)
 " " " " " 11 " " b ($0117, -\frac{1}{2}$) " b ($1017, \frac{1}{2}$)
 " " " " " 10 " " e ($0115, -\frac{1}{3}$) " e ($1015, \frac{1}{3}$)
 " " " " " 8 " " f ($0^{\circ}5'5'14, -\frac{5}{12}$) " f ($5^{\circ}0'5'14, \frac{5}{12}$)
 " " " " " 2 " " i ($0^{\circ}10'10'19, -\frac{1}{12}$) " i ($10^{\circ}0'10'19, \frac{1}{12}$)
 " " " " " 1 " " w ($0559, -\frac{5}{9}$) " w ($5059, \frac{5}{9}$)
 " " " " " 8 " " x ($0553, -\frac{5}{3}$) " x ($5053, \frac{5}{3}$)
 " " " " " 6 " " m ($0995, -\frac{9}{5}$) " m ($9095, \frac{9}{5}$)
 " " " " " 2 " " n ($0772, -\frac{7}{2}$) " n ($7072, \frac{7}{2}$)

Traube gibt diese Formen *Zeitschr. Kryst.* 1888. 14. Seite 565 ohne Berücksichtigung des Vorzeichens. Später im Text S. 567, 568, 569 negativ.

Zoisit. Für die Winkeltabellen wurde die Aufstellung *Deschreux* der des Index vorgezogen.
Dana Syst. 1892 Seite 513 Zeile 26 vu lies Becke statt Tschermak and Sipöcz.

Synonyme.

Das Synonymen-Verzeichniss macht keinen Anspruch auf Vollständigkeit. Es soll nur dazu helfen, einige Mineralien in den Tabellen aufzufinden, die unter anderem Namen eingestellt sind, als der Leser erwartet.

Aannerödit	— Annerödit	Aplom	s. Granat
Achmit	= Akmit (Pyroxengr.)	Arcanit	= Glaserit
Aciculit	= Patrinit	Arfvedsonit	s. Amphibol
Adular	Orthoklas (Feldspath-Gruppe)	Argentit	= Silberglanz
Aegirin	s. Akmit (Pyroxengr.)	Argentopyrit	= Silberkies
Aftalosa	= Glaserit	Arkansit	= Brookit
Aikinit	= Patrinit	Arsenikalkies	= Löllingit
Aimafibrit	= Hämafibrit	Arsennickel	= Rothnickelkies
Aimatolith	= Diadelphit	Arsennickelglanz	= Gersdorffit
Akmit	s. Pyroxengruppe	Arsenolith	= Arsenit
Aktinolith	s. Amphibol	Arsenomelan	= Skleroklas
Alabandin	= Manganblende	Arsenopyrit	= Arsenkies
Alaunstein	= Alunit	Asmanit	= Tridymit
Albin	= Apophyllit	Astrakanit	= Blödit
Albit	s. Feldspathgruppe	Augit	s. Pyroxengruppe
Allanit	= Orthit	Automolit	s. Spinell
Alexandrit	= Chrysoberyll	Autunit	= Kalkuranit
Almandin	s. Granat	Azurit	= Kupferlasur.
Amblystegit	= Hypersthen (Pyroxen-Gruppe)	Babingtonit	s. Pyroxengruppe
Amethyst	= Quarz	Bagrationit	= Orthit
Anomit	s. Glimmergruppe	Barytfeldspath	= Hyalophan (Feldspath-Gruppe)
Anorthit	s. Feldspathgruppe	Batrachit	s. Monticellit (Olivingr.)
Anthophyllit	s. Amphibolgruppe	Beraunit	s. Eleonorit
Antimonblüthe	= Valentinit	Bjelkit	= Cosalith
Antimonnickel	= Breithauptit	Binnit z. Th.	s. Dufrenoyzit und Skleroklas
Antimonnickelkies	= Ullmannit	Biotit	s. Glimmergruppe
Antimonsilberblende	s. Rothgiltigerz	Bismuth	= Wismuth
Aphanesit	= Abichit	Bittersalz	= Epsomit
Aphitalit	= Glaserit		

Bitterspath	= Dolomit	Chlorbromsilber	= Embolit
Bismuthin	= Wismuthglanz	Chlorkalium	= Sylvin
Blättererz }	= Nagyagit	Chlorquecksilber	= Kalomel
Blätterteller }		Chondrodit	s. Humitgruppe
Bleiantimonglanz	= Zinckenit	Christianit	= Phillipsit
Bleichromat	= Rothbleierz	Chromit	= Chromeisenerz
Bleiglätte	= Bleioxyd	Chromspinell	s. Spinell
Bleihornerz	= Phosgenit	Chrysolith	= Olivin
Bleilasur	= Linarit	Cinnabarit	= Zinnober
Bleimolybdat	= Wulfenit	Clausthalit	= Selenblei
Blende	= Zinkblende	Cleavelandit	= Albit (Feldspathgr.)
Boltonit	= Forsterit (Olivingr.)	Comptonit	= Thomsonit
Bornit	= Buntkupfererz	Cossyrit	s. Amphibol
Borsäure	= Sassolin	Couzeranit	s. Skapolithgruppe
Brandtit	s. Rosolith	Covellin	= Kupferindig
Brevicit	= Natrolith	Crichtonit	s. Titaneisenerz
Brochantit	s. Seite 394	Cronstedtit	s. Chloritgruppe
Bröggerit	s. Uranpecherz	Cuprit	= Rothkupfererz
Bromargyrit	= Bromsilber	Cymophan	s. Chrysoberyll.
Bromlit	= Alstonit		
Bromyrit	= Bromsilber	Danait	= Glaukodot
Bronzit	s. Pyroxengruppe	Davyn	= Mikrosommit, Nephelin
Bucklandit	= Orthit	Dechenit	s. Descloizit
Bunsenin	= Krennerit	Diallag	s. Pyroxengruppe
Bustamit	= Rhodonit (Pyroxen-Gruppe).	Dialogit	= Manganspath
		Dichroit	= Cordierit
C siehe auch K		Dihydrit	s. Lunnit
Calamin	= Kieselzinkerz	Diopsid	s. Pyroxengruppe
Callait	= Variscit	Dipyr	s. Skapolithgruppe
Cancrinit	s. Mikrosommit	Discrasit	= Antimonsilber
Canfieldit	= Argyrodit	Disthen	= Cyanit
Caporcianit	= Laumontit	Dufrenit	= Kaurit
Cassiterit	= Zinnerz	Dufrenoysit	= Binnit z. Th.
Castor	= Petalit	Dyscrasit	= Antimonsilber
Celestit	= Cöfestin	Dysluit	s. Spinell.
Cerargyrit	= Chlorsilber		
Cerin	= Orthit	Edisonit	s. Rutil
Ceylanit	s. Spinell	Ehlit	s. Lunnit
Chalcanthit	= Kupfervitriol	Eisenkies	= Pyrit
Chalcolith	= Kupferuranit	Eläolith	= Nephelin
Chalcophyllit	= Kupferglimmer	Enstatit	s. Pyroxengruppe
Chalcopyrit	= Kupferkies	Erennit	= Monazit
Chalcosin	= Kupferglanz	Erinit	= Kupferglimmer
Chalcostibit	= Wolfsbergit	Erythrin	= Kobaltblüthe
Chalybit	= Eisenspath	Eugenglanz	= Polybasit
Chessylith	= Kupferlasur	Eukolit	= Eudialyt.
Chiastolith	= Andalusit		
Chilisalpeter	= Natronsalpeter	Famatinit	s. Enargit
Chlorcalcium	= Chlorocalcit	Faröelith	= Thomsonit
Chlorblei	= Cotunnit		

Fassait s. Pyroxengruppe
 Fayalit s. Olivingruppe
 Ferberit s. Wolframit
 Feuerblende s. Xanthokon
 Fibrolit s. Sillimanit
 Ficinit — Hypersthen(Pyroxen-Gruppe)
 Fluorit = Flussspath
 Foresit = Desmin
 Forsterit s. Olivingruppe
 Fowlerit s. Pyroxengruppe

Gahnit s. Spinell
 Galenit = Bleiglanz
 Galmei = Kieselzinkerz
 Gelbbleierz — Wulfenit
 Gibbsit = Hydrargillit
 Giobertit — Magnesit
 Glanzeisenerz . . . = Eisenglanz
 Glaserz = Silberglanz
 Glaukophan s. Amphibolgruppe
 Gmelinit s. Chabasit
 Goslarit — Zinkvitriol
 Grammatit s. Amphibol
 Greenovit s. Titanit
 Grossular s. Granat
 Grothit s. Titanit
 Grünait = Polydymit
 Grüneisenerz . . . = Kraurit
 Guanajuait = Selenwismuthglanz
 Guejarit — Wolfsbergit

Maarkies = Millerit
 Hämatit = Eisenglanz
 Hämatolith = Diadelphit
 Halit = Steinsalz
 Haytorit — Datolith
 Hedenbergit s. Pyroxengruppe
 Heintzeit = Hintzeit
 Hemimorphit — Kieselzinkerz
 Hercynit s. Spinell
 Herschelit s. Chabasit
 Hessonit s. Granat
 Hiddenit — Spodumen
 Honigstein = Mellit
 Hornblei = Phosgenit
 Hornblende s. Amphibol
 Hornquecksilber . . . Kalomel
 Hornsilber — Chlorsilber
 Hortonolith s. Olivingruppe

Hübnerit s. Wolframit
 Hyalophan s. Feldspathgruppe
 Hyalosiderit s. Olivingruppe
 Hypersthen s. Pyroxengruppe

Jacobsit s. Spinell
 Ilmenit = Titaneisen
 Ilvait = Lievrit
 Jodyrit — Jodsilber
 Iolith — Cordierit
 Irit = Chromeisenerz
 Ixiolit — Tantalit.

K siehe auch C.

Kämmererit s. Chloritgruppe
 Kalamın = Kieselzinkerz
 Kalialaun — Alaun
 Kalkspath = Calcit
 Kallochrom — Rothbleierz
 Kalkharmotom . . . = Phillipsit
 Kalusit = Syngenit
 Kammkies = Markasit
 Kampylit = Mimetesit
 Karstenit = Anhydrit
 Kassiterit = Zinnerz
 Keilhaut = Yttrotitanit
 Kerargyrit = Chlorsilber
 Kermesit — Antimonblende
 Kjerulfin s. Wagnerit
 Kieselwismuth . . . = Eulytin
 Kimito-Tantalit . . s. Tantalit
 Klapprothit (Beudant) = Lazulith
 Klinochlor s. Chloritgruppe
 Klinohumit s. Humitgruppe
 Klinoklas = Abichit
 Knebelit s. Olivingruppe
 Kobaltarsenkies . . . = Glaukodot
 Kobaltglanz } . . . = Glanzkobalt
 Kobaltin }
 Kobaltnickelkies . . = Linneit
 Kobaltvitriol = Bieberit
 Königin = Brochantit
 Köttigit s. Vivianit
 Kreittonit s. Spinell
 Kreuzstein — Phillipsit, Harmotom
 Krokoit = Rothbleierz
 Kupferantimonglanz = Wolfsbergit
 Kupfereisenvitriol . = Pisanit
 Kupfernickel = Rothnickelkies
 Kupferwismuthglanz = Emplektit.

- Lapislazuli** } s. Nosean
Lasurstein }
Laxmannit = Vauquelinit
Lehmannit = Rothbleierz
Lepidolith } . . . s. Glimmergruppe
Lepidomelan } . . .
Levyn s. Chabasit
Linsenerz = Liroconit.
- Magnesioferrit** s. Spinell
Magnetit = Magneteisenerz
Magnetopyrit = Magnetkies
Magnoferrit s. Spinell
Malakon = Zirkon
Mangankies = Hauerit
Manganotantalit . . s. Tantalit
Marialith s. Skapolithgruppe
Massicot = Bleioxyd
Maxit = Leadhillit
Megabasit s. Wolframit
Meionit s. Skapolithgruppe
Melaconit = Tenorit
Melanit s. Granat
Melilith = Humboldtillith
Mengit = Monazit
Meroxen s. Glimmergruppe
Mesolith } s. Natrolith
Mesotyp }
Mirabilit = Glaubersalz
Mispickel = Arsenkies
Mizzonit s. Skapolithgruppe
Molybdänblei = Wulfenit
Molybdenit = Molybdänglanz
Montebrasit = Amblygonit
Monticellit s. Olivingruppe
Morenosit = Nickelvitriol
Morvenit = Harmotom
Mosandrit s. Johnstrupit
Muscowit s. Glimmergruppe
Musit; Mussit = Parisit.
- Nadeleisenerz** = Göthit
Nadelerz = Patrinit
Natrocalcit = Gaylussit
Natron = Soda
Naumannit = Selsensilber
Neochrysolith . . . s. Olivingruppe
Niccolit } = Rothnickelkies
Nickelin }
Niobit = Columbit
- Nitratin** = Natronsalpeter
Noselith = Nosean.
- Octaedrit** = Anatas
Operment = Auripigment
Orangit s. Thorit
Orpiment = Auripigment
Orthoklas = Feldspathgruppe
Orycit = Heulandit.
- Pajsbergit** s. Rhodonit (Pyroxen-Gruppe)
Paragonit s. Glimmergruppe
Pargasit s. Amphibol
Peganit = Variscit
Pegmatolith = Orthoklas (Feldspath-Gruppe)
Pektolith s. Pyroxengruppe
Pennin = s. Chloritgruppe
Peridot = Olivin
Periklin = Albit (Feldspathgr.)
Petzit = Hessit
Phakolith s. Chabasit
Phlogopit s. Glimmergruppe
Phosphochalcit } s. Lunnit
Phosphorkupfererz }
Phosphorsalz = Stercorit
Picotit s. Spinell
Piemontit = Manganepidot
Pistazit = Epidot
Plattnerit s. Seite 417
Pleonast s. Spinell
Pollux = Pollucit
Polyarsenit = Sarkinit
Proustit s. Rothgiltigerz
Pseudomalachit . . s. Lunnit
Pyrargyrit s. Rothgiltigerz
Pyrolusit s. Manganit, Polianit
Pyrop s. Granat
Pyrostibit = Antimonblende
Pyrostilpnit = Feuerblende s. Xanthokon
Pyrrhotin = Magnetkies.
- Quecksilberhornerz** . . = Kalomel.
- Radiolith** s. Natrolith
Redruthit = Kupferglanz
Rhätizit = Cyanit
Rhodochrosit = Manganspath

Rhodonit	s. Pyroxengruppe	Sprödglasserz	= Melanglanz
Rhodotilit	s. Inesit	Stannin	= Zinnkies
Richterit	s. Amphibol	Steinmannit	s. Bleiglanz
Ripidolith	s. Chloritgruppe	Stephanit	= Melanglanz
Rittingerit	s. Xanthokon	Sterlingit	s. Röpperit (Olivingr.)
Röpperit	s. Olivingruppe	Stibnit	= Antimonglanz
Rösslerit	s. Wapplerit	Stilbit	= Heulandit, Desmin
Rothspießgläserz	s. Antimonblende	Strahlerz	Abichit
Rubin	Korund	Strahlstein	s. Amphibol
Ryakolith	Orthoklas(Feldspath-Gruppe)	Stützit	= Tellursilberblende
Sahlit	= Diopsid (Pyroxengr.)	Susannit	= Leadhillit
Salpeter	s. Kali-, Natron-Salpet.	Szaboit	= Hypersthen(Pyroxen-Gruppe).
Sanidin	Orthoklas(Feldspath-Gruppe)	Tagilit	s. Liroconit
Sapphir	Korund	Talkhydrat	= Brucit
Sartorit	Skleroklas	Talkspath	= Magnesit
Savit	Natrolith	Tamarit	= Kupferglimmer
Saynit	= Polydymit	Tankit	Anorthit (Feldspath-Gruppe)
Scheelbleierz	Stolzit	Tantalit	s. Columbbit
Scheelspath	= Scheelit	Tellurblei	= Altit
Schefferit	s. Pyroxengruppe	Tellursilber }	= Hessit
Schilfgläserz	= Freieslebenit	Tellursilberglanz }	= Hessit
Schörl	Turmalin	Tellurwismuth	= Tetradymit
Schrifterz	= Sylvanit	Tennantit	= Fahlerz
Schulzit	= Geokronit	Tephroit	s. Olivingruppe
Schwefelkies	= Pyrit	Tesseralkies	= Skutterudit
Schwerbleierz	= Plattnerit (Seite 417)	Tetartin	= Albit (Feldspathgr.)
Schwerspath	= Baryt	Tetraedrit	= Fahlerz
Selenit	= Gyps	Thulit	s. Zoisit
Selenquecksilber	= Tiemannit	Tinkal	= Borax
Siderit	= Eisenspath	Topazolith	s. Granat
Sideroxen	= Hessenbergit	Torbernit	= Kupferuranit
Silberhornerz	= Chlorsilber	Tremolith	s. Amphibol
Silberkupferglanz	= Stromeyerit	Triphan	= Spodumen
Simonyit	= Blödit	Troilit	s. Magnetkies
Smaltin	= Speisskobalt s. Chlo-anthit	Troostit	s. Willemitt
Smaragd	Beryll	Tschermigit	= Ammoniak-Alaun
Smithsonit	= Zinkspath	Tungstein	= Scheelit
Sommit	s. Nephelin	Turnerit	= Monazit
Spartalit	= Rothzinkerz	Tyrit	= Fergusonit
Spatheisenstein	= Eisenspath	Urao	= Trona
Specularit	= Eisenglanz	Uraninit	= Uranpecherz
Speerkies	= Markasit	Uwarowit	s. Granat
Speisskobalt	= Smaltin s. Chlo-anthit	Vanadinbleierz	= Vanadinit
Sphalerit	= Zinkblende	Vanadit	s. Descloizit
Sphen	= Titanit		
Spiauterit	= Wurtzit		

Vesuvian	= Idokras	Wismuthkupfererz	= Wittichenit
Voglit.	s. Uranothallit	Wollastonit	s. Pyroxengruppe
Warringtonit	s. Brochantit (Seite 394)	Würfelerz.	= Pharmakosiderit.
Weissbleierz	= Cerussit	Ytterspath	= Xenotim.
Weissnickelkies	= Chloanthit oder Ram-	Zinkit	} = Rothzinkerz
	melsbergit	Zinkoxyd	
Weisspiessglanzerz	= Valentinit	Zinkspinell	s. Spinell
Wernerit	s. Skapolithgruppe	Zinnwaldit	s. Glimmergruppe
Wiluit.	= Idokras	Zygadit	= Albit (Feldspathgr.).
Wiserin	= Anatas oder Xenotim		

Druckfehler.

Seite 313 **Schwefel** No. 8 Col. η_0 u. Col. η lies: 51 47' statt 51 74'
 " 398 **Chalcomorphit** Zeile 5 vu " 1 : 3'3069 " : 3'3067

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